



Hochschule Neubrandenburg  
University of Applied Sciences

**Master thesis topic:**

**Landscape overpopulation in Lagos state, Nigeria compared to Berlin “causes,  
problem and possible solutions”**

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## **ABSTRACT**

This research was able to make some direct comparison and differences between Lagos state and Berlin. It also went further into the histories, politics and economies of both Lagos state and Berlin for in-depth understanding of these cities.

Overpopulation has been a major challenge in Lagos state which has led to an unfavourable standard of living in the state such as the development of slums, congestion of people in a specific area, bad transportation means, lack of electricity, poor Housing, poverty, lack of adequate employment and many more. This Research was able to analyse the causes, problem and possible solutions of overpopulation in Lagos state as compared to Berlin which is a state in Federal republic of Germany.

The causes of overpopulation in the state includes immigration, employment, infrastructural services, poverty, industrialisation, education, religion, rural-urban migration, market, fertility rate in Lagos and lack of skilled labour. While the problems of Overpopulation in the state includes urban decay, hunger, housing, lack of electricity, congestion, overcrowded schools, crime, High demands of goods, administration, beggars and urban planning.

The possible solutions on how to curb this problem of overpopulation in the state could be corruption, agriculture, housing and greenery, transportation, urban planning, recycling, research institutes, job and electricity, re-grouping of industries, education, and sustainability.

Finally, Recommendations were also offered on how to improve the existing conditions of both Lagos state and Berlin for adequate sustainable growth. Future generations to come will also benefit from these strategies.

## 1.1 INTRODUCTION

Why does everyone want to leave in urban areas? This is a crucial question that need urgent attention due to the alarming rate at which Lagos state is been flooded in every single day leading to overpopulation in specific locations in the country. Urbanisation is a continuous progressive increase in the number of humans living in a city.

What do we understand by the term population? Population is a globally recognized term everywhere in the world. A simple definition of population is simply a particular amount of people living together in a particular place like a town, city or a nation at large. Population density could be defined as the amount of people living or occupying a certain area or an environment.

Population can lead to unplanned urban growth which is a major challenge to the development of such city in terms of lack of adequate housing, poor infrastructure, inadequate health care and lack of good ecosystem. The problem of urban population would never be solved if a solution is not provided in a way such as their in an equilibrium between Lagos state and other states in the country. This problem can also lead to a wide gap between the rich and the poor. The availability of high paid wages in a city can be a factor of movement, however, putting other things into consideration like high rent in big cities, cost of food are also higher in Lagos than other states, the cost of transportation and the challenges faced every day in Lagos are also constant compared to Berlin. Availability of jobs in smaller cities will enable people to stay back in their home towns with no need for migration to a more urbanized city therefore reducing the flow of over crowdedness in a particular location than others.

The government of every nation has the statistical data of the number of people in that particular country. “At the end of 2010, it is assumed approximately 82 million people lived in Germany and half of the population lived in urban cities”. (Federal statistical office of Germany, 2012 pg. 3). If half of the population lives in urban areas, this tend to show the efficiency and the organization provided in these urban cities to cater for the adequate needs of the people. The rate of inflow of people into urban cities is at a great alarming rate which has a great effect on the economy of the nation. Therefore leading to the development of a particular sector of the country than some other sector. For example, the main urban centres in Germany are Frankfurt, Hamburg,

berlin, Munich and Dusseldorf. These cities tend to have a large rate of population because they are the main key areas where there is a lot of job opportunities, best infrastructural facilities are also available in these areas, industrial firms are also located, best institutions in the country are in these areas, hospitals, theatre, great museums for tourist attraction from all part of the world and the economic base of the nation are in these cities while in Nigeria, the economic point of the nation is 70 percent located only in Lagos while only 30 percent is distributed to other part of the states which makes everyone from every part of the nation want to live and work in Lagos state and this is the main cause of overpopulation in the city.

The reason why almost everyone would like to live in a great and beautiful city is due to the easy accessibility to all form of services and easy accessibility of jobs offers. “It could be observed from the study carried out by United Nations (UNFPA 2007) the number of people in urban centres will continue to increase to 4.9 billion by 2030”. (Bhatta, B., 2010 pg. 20). Therefore it of paramount importance to look for a solution to this problem in order to minimize the consistent growth in the urban areas which tend to impose much pressure in that particular settlement.

Everyone will definitely like to live or stay around his or her loved ones but if what it takes to survive is not available in that particular vicinity then that is the cause of movement of people from one location to another.

This is where overpopulation originates from making some cities overcrowded. There should be a way to balance the problems of overpopulation in Lagos state for uniform distribution of wealth within other states in the country and that is why am undertaking this research thereby making a contrast to Berlin and trying to figure out the possible solutions. The main aim is to find the causes, problems and possible solutions to overpopulation in Lagos state and see how Berlin is able to sustain and provide adequately for the people living in the city.

Balancing the landscape city system between urban cities and smaller cities leads to equal distribution of wealth within the economy which also lead to a parallel chain development technique in the economy of the nation. In such a case, the power factor of the nation is not based in a selected location within the country but distributed uniformly and there is an equal flow of income circulating in all parts of the nation.



## **1.2 BRIEF DESCRIPTION ABOUT LAGOS STATE**

Lagos state is located on the south-western part of Nigeria and it was also the former capital of the country during 1914 – 1991. But today the federal capital is now Abuja. Lagos is one of the most famous state located in West Africa having a population of approximately 21 million people living it. “It has a landmass which is made up of about 30% of water bodies lagoons, creeks and islands (Lagos: City of Opportunities • An Investor's Guide, 2015 pg.14)”. This is one of the smallest state in Nigeria but possess the largest strength, it can be called ‘small but mighty’ a popular phrase in the country.

There is a popular slang in Nigeria that says Lagos is a no man’s land which basically means it belongs to everybody. On the western part of Lagos is Benin republic and north east is ogun state known to be a state with a lot of higher institutions located in that state.

Lagos is the economic state of Nigeria and also host all the famous industries located in the country. For example, the telecommunication companies like Mtn, Glo , Etisalat and Airtel has their headquarter located in Lagos also the different banks headquarters are also located in Lagos such as Gtbank, First bank, Uba bank, Union bank and Eco bank. “Even after the capital was relocated to Abuja, Lagos was still the economic, social and financial point of concentration both national and international (Filani, 2012 pg.15)

Different construction companies both foreign and local also have their headquarter situated here such as Vita construction company, China civil engineering construction corporation, Julius Berger construction company which is also a German own company and many other more are all located here. “Lagos state has a climatic condition of tropical rain forest with elevated temperature and humidity. The state is also divided into five sections which are Ikeja, Epe, Eko, Ikorodu and Badagry (Filani, 2012 pg.10)”.

According to “(edited by Caldwell, 1975 pg.189) Lagos has the biggest ports and most occupied international airports in West Africa” .Trading occupation is very easy in Lagos because it has a sea port known as APAPA which is one of the “busiest port in the whole West Africa”. This is because Lagos is located close to the ocean which serve as a main sea base of traction (both import of commodities and exportation of commodities) are made very easy. This was also the

point of slave trade during the colonial era which I also believe would have contributed immensely to the rapid development of this location and there are some other economic state in Nigeria but not as effective as Lagos state.

Lagos also host two famous universities in Nigeria which are recognized all over the world Lagos state university which is a state owned university and university of Lagos ( the university of first choice) which is owned by the federal government of Nigeria.

Lagos state is divided into two main forms which are known as the Lagos mainland and Lagos Island. These two part is separated by a very long bridge and the central business district is located on the Island.

Lagos has the worst traffic problem in the whole federal republic of Nigeria where you can be stocked in traffic with no movement for more than five hours on the same sport. This is one of the main challenges available in the state which also include a lot of urban slums areas with the worst ever imagined standard of living but there are some other nice places located in this same Lagos technically for the really rich people in the country like the politicians and company owner's known as Victoria Island and Banana Island.

According to "(Diane de Gramont, 2015 pg.3) Lagos is filled with fast growing population and the infrastructures are highly stressed with an unstable economy. This problem is even made much more terrible because of the problem of corruption affecting the nation at large". The problem of corruption is a disease to any nation that has such a problem and this need to be cursed for the nation to move to the next level. A nation like Germany is able to control any form of corruption that might want to arise thereby keeping things under control and this is the cause of effective advancement in the nation.



Figure 1: The location of Lagos. Date 31st may 2018. Time 18:45. Web link: [https://www.google.de/search?q=map+of+lagos+state&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj54JX0s7DbAhUJYJoKHcZJD5wQ\\_AUICigB&biw=1163&bih=492#imgrc=V5ikSjCJG8LZmM](https://www.google.de/search?q=map+of+lagos+state&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj54JX0s7DbAhUJYJoKHcZJD5wQ_AUICigB&biw=1163&bih=492#imgrc=V5ikSjCJG8LZmM)

### **LAGOS THE COMMERCIAL CAPITAL OF NIGERIA AND THE ECONOMIC HUB OF WEST AFRICA**

Country	Nigeria
State	Lagos
Governor	Akinwumi Ambode
Slogan	Centre of Excellence
Location	Southwest Nigeria
Gross Domestic Product	\$ 136.6 billion( 2015)
Landmass	1380 square miles ~3577 Km <sup>2</sup>
Population	21 million est.(2014)
Population Density	4,193 persons per km <sup>2</sup>
Religion	Christianity, Islam
Language	Official: English, Others: Yoruba, Igbo, Hausa
Culture	Pottery, sculpture, mat weaving, basket weaving, Hair plaiting, and raffia works.
Climate	Dry season: November - March Rainy season: April - October Average temperature: 24°C- 36°C

Figure 2: Lagos: City of Opportunities • An Investor's Guide.2015 pg.4. Web link: <https://www.lagosglobal.org/wp-content/uploads/2016/05/Lagos-Investors-Guide.pdf>

## Population

Lagos is currently the most populous city in Africa

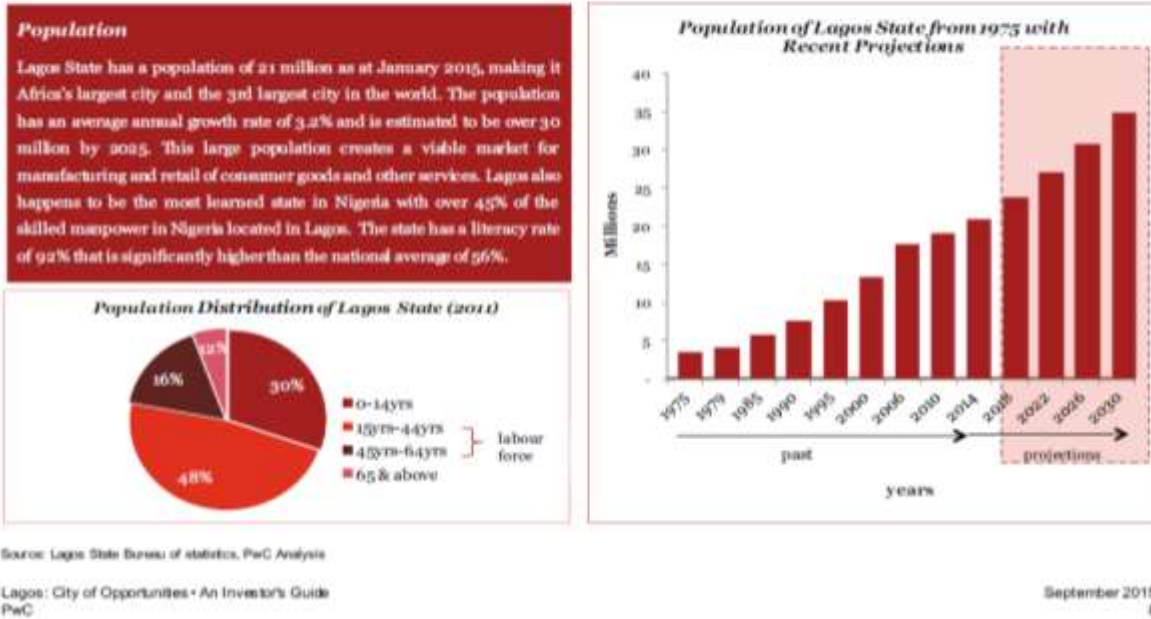


Figure 3: Lagos: City of Opportunities • An Investor's Guide.2015 pg.8. Web link: <https://www.lagosglobal.org/wp-content/uploads/2016/05/Lagos-Investors-Guide.pdf>

### 1.2.1 BRIEF DESCRIPTION ABOUT BERLIN

Berlin is the capital of Germany and Germany is bounded by these nations (to the Northern part Denmark, the Eastern part Poland, the Southern part Switzerland and Austria and the Western part by France, Belgium, Netherland and Luxembourg. “There are three city states in Germany in which Berlin is one of them and the other two are Hamburg and Bremen (Kramer, 2013 pg.10)”. Berlin is located in the North-eastern part of Germany which is also the present capital of the nation. This state is one of the best cities which one can visit in Europe and it also tends to attract a lot of tourist visitors with a population of about 3.7 million inhabitants living in the state. “It is the most densely populated city and located at the middle point of Berlin-Brandenburg Metropolitan Region, the city is at the core of a growing innovative urban area (Kramer, 2013 pg.29)”.

“Berlin makes up of about 44% of green and blue spaces which includes urban forest areas, parks, allotment gardens, interim sites, nature reserve areas, brownfield sites, agriculture areas, lakes and rivers (Thierfelder and Kabisch, 2015 pg.120)”. On the Northern part of Berlin is Mecklenburg Vorpommern, the Eastern part is Poland, and the Southern part is Brandenburg while to the West is Saxony Anhalt.

Berlin is one of the economic state in Germany and also host some famous industries such as Google, Apple, Amazon, BMW, Deutsche Bahn, Siemens and various Fashion houses are also located in the city. “The economy of Berlin is basically from the service sector which include creative industries, Media Corporation and convention center and important other industries includes IT technology, pharmaceuticals, biomedical engineering, biotechnology, Electronics, traffic engineering, and renewable energy (Kramer, 2013 pg.32)”. The production industrial sector of the city only contribute about 15 percent of the gross value added as compared to other states in Germany and Berlin export rate are also lower than the German average (Kramer, 2013 pg.32)”. It can be said the output rate in the city is quiet low to some extent as compared to other states due to the fact that it has always been a conflict zone in the past decades which means the city is still growing.

“In terms of network and digitalization, Berlin is the best in the whole of the German states (Kramer, 2013 pg.32)”. This is why the city keeps growing day by day with new discoveries and technologies since the world is moving more to advanced technological innovations. There are a lot of jobs opportunities in the city only a few people are not employed.

Berlin has a lot of public and private universities in the city which includes Technical University of Berlin, Berlin university of Arts, HTW Berlin University of applied sciences, Humboldt University and free university of Berlin.

The city of Berlin has good transportation system such as the S-Bahn, U-Bahn, Buses, and Trams which help to make transportations in the state less hectic and convenient for public usage.

“Not quite long after the reunification in 1990, the parliament decided that the capital of the country should be displaced from Bonn to Berlin (Higher education in regional and city development, 2010 pg.40)”. This can probably be due to the effect of creating proper bond between the different part of the nation which symbolize unity among the people or as a means of bringing proper development to this part of the city due to series of demolition that has taken place on this territory. “Berlin has a strong image as a creative city and an “Unfinished City” (Higher education

in regional and city development, 2010 pg.140)”. This means the city has the capacity to still grow and become one of the three best cities in the world as time goes on for proper development.

“The city has 14 percent of foreign born and 23.8 percent of individuals with an immigration background (Higher education in regional and city development, 2010 pg.148)”. The city is mixed up with people from different countries of the world and this creates room for cultural diversity. This also help the city to grow rapidly since it comprises of people with great intellectual knowledge and each individual tends to contribute his or her part to the development of the city based on each individual background knowledge.

“Gardening has been part of Berlin for a very long time which include family food gardens, garden by plot, school gardens and all these is about 3 percent of the total area in the city and the modern methods of agriculture in the city today also occur not only in plots and urban fields but also in and on buildings (Kathrin Specht, Rosemarie Siebert, Susanne Thomaier et al, 2015 pg.4512)”. The agricultural means in the city is basically on a small scale and for house hold use. Almost all Germans with a small plot of land attached to her building tends to establish a little garden where he or she can work on both for leisure and the outcomes from the garden. Some modern buildings in the state today also make use of green vegetation.



Figure 4: Berlin Map. Date 03 August 2018. Time 11:50. Web Link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=WSRkW6r9BInpsAe7gJIY&q=berlin+map&oq=berlin+map&gs\\_l=img.3..35i39k1j019.2638.5511.0.5862.4.4.0.0.0.0.79.264.4.4.0....0...1c.1.64.img..0.4.263...0i67k1.0.k05ZLcjgw1Y#imgdii=9-HBV8JaoI5VYM:&imgcr=Qo46OzPoyHiCJM](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=WSRkW6r9BInpsAe7gJIY&q=berlin+map&oq=berlin+map&gs_l=img.3..35i39k1j019.2638.5511.0.5862.4.4.0.0.0.0.79.264.4.4.0....0...1c.1.64.img..0.4.263...0i67k1.0.k05ZLcjgw1Y#imgdii=9-HBV8JaoI5VYM:&imgcr=Qo46OzPoyHiCJM):

### **1.3 ECONOMY OF LAGOS STATE COMPARED TO BERLIN**

#### **1.3.1 LAGOS**

“The federal republic of Nigeria has the largest population in Africa. The country is situated on the coast of the Gulf of Guinea which is part of the Atlantic Ocean. Nigeria has a total area of 367,000 square miles and Lagos state is the largest city by population in sub-Saharan Africa (Shelly, 2015 pg. 232)”.

Statistics can simply be defined as gathering information that tends to enhance the productivity and development of a particular region. Statistics gathered by “(Lagos bureau of statistics, 2010 pg.1- 3) the state comprise a total area of 3,577 square kilometres and a population 20,546,999 is gifted with high amount of businesses and industries which are based on Crop Production, Livestock, Forestry, Fishing, Quarrying & Other Mining, Manufacturing, Electricity, Water, Building & Construction, Wholesale and Retail Trade, Hotel and Restaurants, Road Transport, Rail Transport & Pipelines, Water Transport, Air Transport, Transport Services, Telecommunications, Post, Financial Institutions, Insurance, Real Estate, Business Services”. Every nation has a statistical record the helps to monitor the growth and development occurring within that particular area. This also help to carry out adequate planning for the area and long term goals.

The revenue generated alone in Lagos is so diversified in various sectors of the economy. “Lagos is the economic, financial and commercial heart of Nigeria and its major cultural centre(Shelly, 2015 pg.352)”.This is the main reason why everyone want to live in the state and it provides room for all groups of people both educated, skilled and unskilled labour.

### LAGOS STATE GROSS DOMESTIC PRODUCT BY SECTORS: 2010

S/N	ACTIVITY SECTOR	GDP BY SECTOR	% contribution
1	Crop production	517,183,130.22	0.004
2	Lives stock	95,850,512,462.83	0.79
3	Forestry	73,997,266,500.00	0.61
4	fishing	43,678,406,057.26	0.36
5	Coal Mining	-	-
6	Crude petroleum and natural gas	-	-
7	Metal ores	-	-
8	Quarrying and Mining	641,850,395.41	0.01
9	Oil refining	-	-
10	Cement	-	-
11	Manufacturing	3,579,463,339,251.23	29.60
12	Electricity	56,482,081,305.60	0.47
13	Water	3,781,060,571.43	0.03
14	Building construction	2,381,940,148,581.23	19.70
15	Wholesale and retail	1,014,596,807,930.78	8.39
16	Hotel and restaurant	82,630,620,896.52	0.68
17	Road transport	3,200,687,215,350.00	26.47
18	Rail transport and pipelines	556,189,564.05	0.005
19	Water transport	720,000,000.00	0.01
20	Air transport	94,066,806,430.50	0.78
21	Transport services	142,805,693,011.16	1.18
22	Telecommunication	448,213,971,739.13	3.71
23	Post	3,217,731,516.93	0.03
24	Financial institutions	424,041,994,474.73	3.51
25	Insurance	36,023,684,904.25	0.30
26	Real estate	242,974,154,376.00	2.01
27	Business services	15,541,543,548.54	0.13
28	Public administration	26,524,068,628.60	0.22
29	Education	58,009,769,227.59	0.48
30	Health	27,136,582,211.57	0.22
31	Private non-profit organization	741,000,000.00	0.01
32	Other services	4,760,241,600.00	0.04
33	Broadcasting	31,701,401,349.28	0.26
	<b>TOTAL</b>	<b>12,091,301,325,014.80</b>	<b>100.00</b>
		<b>Naira</b>	

Figure 5: (Lagos bureau of statistics, 2010 pg.6). Web link: <http://mepb.lagosstate.gov.ng/wp-content/uploads/sites/29/2017/01/GDP-2010-REPORT.pdf>



The analysis of the results gotten in the table above shows the main sources of Lagos economy in sequential order are Manufacturing industry, Road transportation, Building construction and wholesale and retail businesses while coal, crude oil, metal ores, oil refining and cement has no contribution to the economy of the state.

The manufacturing industry and the building construction is made up of different working class people educated, skilled and unskilled labour these are the work force that constitute these sectors of the economy.

Road transportation is a very lucrative business in the state due to the overpopulation of people and it is a city whereby people do not sleep, that means activities keeps going on morning, afternoon and night round the clock 24 hours. It is possible to get to any part of the city at any given time and the transportation system is made up of two person the driver and the ' bus conductor' he is in charge of giving information about the destination of the journey, ushering People into the bus and also collecting the transport fair from the passengers. The poor development of railway system makes it insignificant to the economy of the state, it contributes just 0.005 percent while in a city like Berlin has really maximize the use of the rail system such as Deutsche Bahn and the S-Bahn system is a major source of revenue to the government and also making transportation as easy as possible.

Wholesale and retail trades are very common among the people. The products of sales are mostly food provisions, clothing materials, shoes, agricultural products, basic household needs are common within the streets in the city and electronics gadgets.

Insurance only contribute 0.03 percent to Lagos state while in Berlin and Germany in general, insurance in like a sustenance to the economic system. The effective use of insurance in the so called third world nation is very minimal which must be improved in order to have a sustainable system.

The postal system contributes just 0.03 this is due to the inadequate productive capacity of the Nigerian postal system. The government has totally neglected the postal system no improvement of any kind has been made on it. It is very slow, the merchandize can be missing or stolen while the deutsche post in Germany is ever effective. It also serves as source of generating income to the government.

A lot of buildings in the state are owned by individuals which has been constructed for decades with no rehabilitation of any kind on the structures. These buildings are mostly bungalows





Figure 7: Mushin market in Lagos state. Date 03 August 2018. Time: 16:25. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=kWRkW4zeFoXTsAe2h4OoAw&q=mushin+market++in+lago+state&oq=mushin+market++in+lago+state&gs\\_l=img.3...75166.80415.0.80998.26.18.0.0.0.122.1498.16j2.18.0...0...1c.1.64.img..11.2.189...0i7i30k1j0i7i5i30k1.0.98FXwR9tefs#imgrc=YR7YbSeFJJS5wM](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=kWRkW4zeFoXTsAe2h4OoAw&q=mushin+market++in+lago+state&oq=mushin+market++in+lago+state&gs_l=img.3...75166.80415.0.80998.26.18.0.0.0.122.1498.16j2.18.0...0...1c.1.64.img..11.2.189...0i7i30k1j0i7i5i30k1.0.98FXwR9tefs#imgrc=YR7YbSeFJJS5wM)

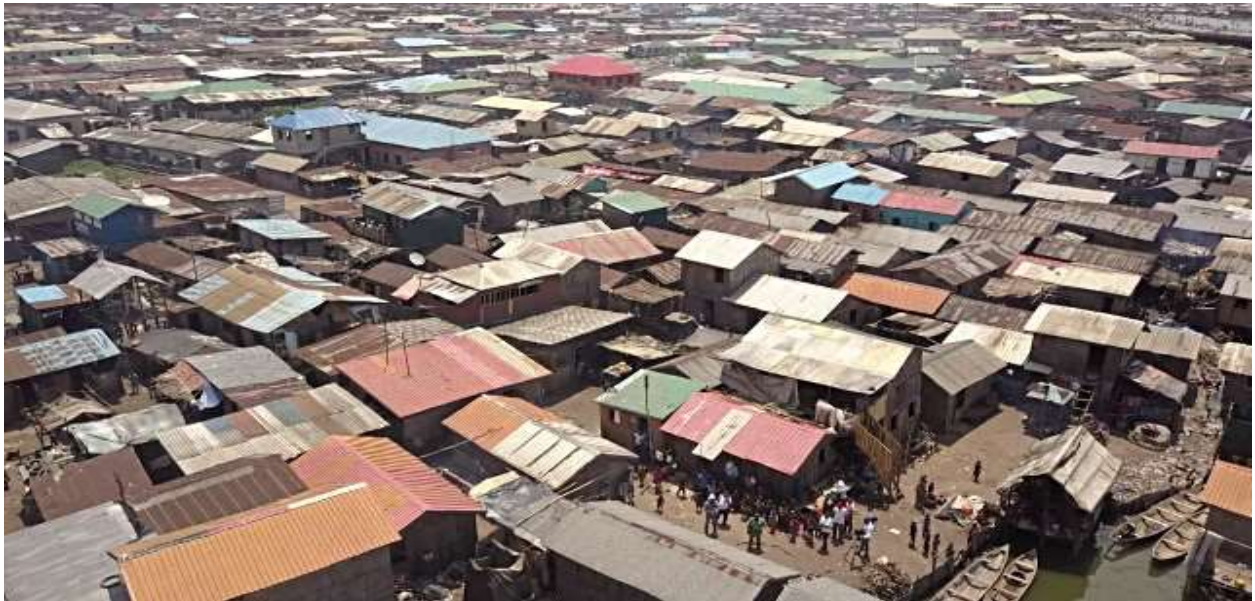


Figure 8: Bungalow Houses in Lagos state. Date 03 August 2018. Time: 16:35. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=y2ZkW5zFCMW2kwWLkpSoDg&q=slum+houses++in+lago+state&oq=slum+houses++in+lago+state&gs\\_l=img.3...46926.49935.0.51912.10.8.0.0.0.201.822.6j1j1.8.0...0...1c.1.64.img..4.0.0...0.zPk16HOeG3k#imgrc=7Fn0\\_Ie5DOIEdM](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=y2ZkW5zFCMW2kwWLkpSoDg&q=slum+houses++in+lago+state&oq=slum+houses++in+lago+state&gs_l=img.3...46926.49935.0.51912.10.8.0.0.0.201.822.6j1j1.8.0...0...1c.1.64.img..4.0.0...0.zPk16HOeG3k#imgrc=7Fn0_Ie5DOIEdM)

### **1.3.1.1 HISTORY, POLITICS AND SOCIAL INTERACTION IN LAGOS**

“Lagos state was originally inhabited by a Yoruba man called Olofin who had 32 children and divided Lagos Island among 12 of his children. One of his son named Aromire was the first to make use of his land by building huts and the rest for farming. A hunter from Ile-Ife known as Ogunfunmire also led the Awori (a group of people) to settled in Isheri (a part of Lagos) in the 16<sup>th</sup> century. A tribal war occurred in late 16<sup>th</sup> century among the Benin and the Isheri which was now conquered by the Benin king Oba Oroghua and he established his Military Camp. The name Lagos was been named by the Portuguese who came to the Island ‘Lago-de-curamo’. Lagos is also a name of a town in Portugal (Fakoya and Osoba, 2001 pg.425-426)”. The founder of Lagos state ‘Olofin’ had ‘32 children’ which signifies Lagos population growth started basically since when the state was discovered and at what rate did his children also produce their own kids was not stated but they might have followed their father’s footstep since civilization was not yet in view at that point in time.

“The official language originally spoken in the state is Yoruba until the early and mid-19<sup>th</sup> century coming in contact with other foreign languages such as English, Portuguese and Sierra – Leone creole which was the period of Europeans along the coast of West Africa and the Slave trade. Some cultural festival in Lagos state include Eyo Adamu Orisa (Lagos island), Egungun (Mushin), Jigbo and Ebi (Epe). The most famous one is the Eyo which are carried out during a royal burial and also carried out during the prominent citizens of Lagos state as an honour (Fakoya and Osoba, 2001 pg. 428-429)”. These tradition are still carried out in the present day Lagos which means the state still upholds its cultural values. This Eyo festival usually lead to a public Holiday in the state which anyone can go and watch the display.

The political system adopted in Lagos is a democratic system of government whereby it is only the party who win’s by election is eligible to rule. As expressed by“(Diane de Gramont, 2015 pg.5) Lagos leader have to win by election to stay in power and the state does not have adequate access to crude oil money, which means they normally raise internally within the state”. The state basically generates money through different kinds of taxes such as importation tax, tax on shops, land use tax and many other more.

There are basically two most powerful political parties in Nigeria which are people’s Democratic Party (PDP) and the Action congress (AC). The ruling party in Lagos state is the Action congress while at the federal level has always been the People Democratic Party. The

People Democratic Party has always wanted to possess Lagos state for more political control but they could not succeed.

“During political election process, the politician made use of area boys to execute their political campaigns and they reward them in return (Diane de Gramont, 2015 pg.23)”. This is just a great disgrace to the nation at large with no free and fair election in the country. These so called ‘area boys’ have no form of education and all they do is cause problem and these are the sets of people those in power employs for their personal advantage in the name of winning election.

According to “(Diane de Gramont, 2015 pg.3) Babatunde Raji Fashola elected 2007 and he is view as a person who want to bring good transformation to the political system and the man who was able to conquer Nigeria most lawless city”. The man who brought a change to Lagos was the former governor of the state in the name of Governor Babatunde Fashola. He brought a change to the landscape environment of the state by implementing strategic plans and bringing them to life. Some of his projects have been effected during his tenure. This brought a total transformation to the famous oshodi market centre that was in total chaos thereby clearing most shops along the highway and expanding the road for easy passage of vehicles, he inaugurated another plan of making Lagos a green city by building plants all around the state, he improved on the electricity of the state to some extent now succeeded by governor Akinwumi Ambode trying to continue building on the foundation which the previous governor has established.

The social interaction of the people living in Lagos state are mostly over the weekend for those with a job or a business at hand. People have to wake up as early as 5 a.m. in the morning in order to beat the traffic. Lagosians are popularly known for parties every weekend and they all have to pick a unique set of traditional material which everyone will wear to such occasion. For example marriage ceremony, Naming of new born child, Graduation from school and dedication of a new building.



Figure 9: Eyo Festival in Lagos state. Date 03 August 2018. Time: 18:43. Web link: [https://www.google.de/search?q=eyo+festival&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjgmPirqdHcAhVHsaQKHb8qC1cQ\\_AUICigB&biw=1163&bih=534#imgrc=RICa80YNLN23cM](https://www.google.de/search?q=eyo+festival&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjgmPirqdHcAhVHsaQKHb8qC1cQ_AUICigB&biw=1163&bih=534#imgrc=RICa80YNLN23cM):



Figure 10: Action Congress the ruling party in Lagos state. Date 03 August 2018. Time: 18:50. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=eoVkW8qQGYqdsAeBpIPAAw&q=action+congress+lagos+state&oq=action+congress+lagos+state&gs\\_l=img.3...308444.324158.0.324832.39.30.0.2.2.0.176.1884.28j1.29.0....0....1c.1.64.img..11.17.1115.0..0j0i67k1j0i30k1j0i5i30k1j0i8i30k1j0i24k1j35i39k1.0.89EGWYIeiDw#imgrc=GbeEQMIAMg\\_E-M](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=eoVkW8qQGYqdsAeBpIPAAw&q=action+congress+lagos+state&oq=action+congress+lagos+state&gs_l=img.3...308444.324158.0.324832.39.30.0.2.2.0.176.1884.28j1.29.0....0....1c.1.64.img..11.17.1115.0..0j0i67k1j0i30k1j0i5i30k1j0i8i30k1j0i24k1j35i39k1.0.89EGWYIeiDw#imgrc=GbeEQMIAMg_E-M):



Figure 11: Previous Oshodi market. Date 03 August 2018. Time: 18:59. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=3YhkW9uqHYWdkwXa44rYCw&q=present+oshodi+market&oq=present+oshodi+market&gs\\_l=img.3...300628.302164.0.303110.8.8.0.0.0.130.562.6j2.8.0...0...1c.1.64.img..0.0.0...0.mlDjPSPHifA#imgrc=h5gfH0mJFSDFLM:](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=3YhkW9uqHYWdkwXa44rYCw&q=present+oshodi+market&oq=present+oshodi+market&gs_l=img.3...300628.302164.0.303110.8.8.0.0.0.130.562.6j2.8.0...0...1c.1.64.img..0.0.0...0.mlDjPSPHifA#imgrc=h5gfH0mJFSDFLM:)



Figure 12: Present day Oshodi market. Date 03 August 2018. Time: 19:11. Web link: [https://www.google.de/search?q=OSHOdi+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjOpemYsdHcAhUusqQKHdAFCzgQ\\_AUICigB&biw=1163&bih=534#imgrc=GPlpkWd49pjhiM:](https://www.google.de/search?q=OSHOdi+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjOpemYsdHcAhUusqQKHdAFCzgQ_AUICigB&biw=1163&bih=534#imgrc=GPlpkWd49pjhiM:)



Figure 13: Tree planting in Lagos state by the previous governor of Lagos. Date 03 August 2018. Time: 19:27 Web link: [https://www.google.de/search?q=lagos+state+planted+trees&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj d8sKZstHcAhUG26QKHeffBU8Q\\_AUICigB&biw=1163&bih=534#imgcr=LRIDbXcnmD2AbM:](https://www.google.de/search?q=lagos+state+planted+trees&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj d8sKZstHcAhUG26QKHeffBU8Q_AUICigB&biw=1163&bih=534#imgcr=LRIDbXcnmD2AbM:)



Figure 14a: Lagos Map. Date 09 August 2018. Time: 12:24. Web link: <https://www.google.de/search?q=map+of+lagos+state&oq=MAP+OF+LAGOS&aqs=chrome..69i59j35i39j69i57j0l3.7945j1j7&sourceid=chrome&ie=UTF-8>



The figure 14a represents a descriptive map of Lagos separated by the Lagos lagoon into two parts the main land areas and the Island areas. The really rich people in Lagos and top governmental officials lives in Lekki, Ikoyi and Banana Island and a small plot of land in these locations cost several millions of Naira.



Figure 14b: Banana Island Lagos. Date 09 August 2018. Time: 12:46. Web link: [https://www.google.de/search?biw=1151&bih=466&tbm=isch&sa=1&ei=ihpsW47xHorAlAaut4mgBA&q=banana+island+street+lagos&oq=banana+island+street+lagos&gs\\_l=img.3...17845.20243.0.21032.7.7.0.0.0.0.221.551.5j0j1.6.0...0...1c.1.64.img..1.2.294...0j0i67k1j0i7i30k1j0i8i7i30k1.0.71UjsbSZlg8#imgrc=maWepTWi-rbJFM:](https://www.google.de/search?biw=1151&bih=466&tbm=isch&sa=1&ei=ihpsW47xHorAlAaut4mgBA&q=banana+island+street+lagos&oq=banana+island+street+lagos&gs_l=img.3...17845.20243.0.21032.7.7.0.0.0.0.221.551.5j0j1.6.0...0...1c.1.64.img..1.2.294...0j0i67k1j0i7i30k1j0i8i7i30k1.0.71UjsbSZlg8#imgrc=maWepTWi-rbJFM:)



Figure 14c: Estate in Lekki, Lagos state. Date 07 August 2018. Time: 13:11. Web link: [https://www.google.de/search?biw=1151&bih=466&tbm=isch&sa=1&ei=1x9sW9CvBsnTsAfj85ewCg&q=lekki+lago&oq=lekki+lago&gs\\_l=img.3...0.0.0.134952.0.0.0.0.0.0.0.0...0...0...1c..64.img..0.0.0...0.48m9iyJfQck#imgc=RhJtxzKo-\\_fjiM](https://www.google.de/search?biw=1151&bih=466&tbm=isch&sa=1&ei=1x9sW9CvBsnTsAfj85ewCg&q=lekki+lago&oq=lekki+lago&gs_l=img.3...0.0.0.134952.0.0.0.0.0.0.0.0...0...0...1c..64.img..0.0.0...0.48m9iyJfQck#imgc=RhJtxzKo-_fjiM)



Figure 14d: Lekki-ikoyi Bridge. Date: 09 August 2018. Time: 12:53. Web link: [https://www.google.de/search?q=lekki+bridge+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj9wqWn49cAhXN-qQKHTEcCXoQ\\_AUICigB&biw=1151&bih=466#imgsrc=Cgif3k3QXAeFAM:](https://www.google.de/search?q=lekki+bridge+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj9wqWn49cAhXN-qQKHTEcCXoQ_AUICigB&biw=1151&bih=466#imgsrc=Cgif3k3QXAeFAM:)

This bridge users pay a sum of 300 Naira which is equivalent to 75cents in Euro. It serve as an easy connection routes for those passing through Lekki and Ikoyi.

### **1.3.2 BERLIN**

When we mention best cities in the world today, berlin must be ranked among them. The question is where is this city located? It is the federal capital of Germany and located in North-Eastern region of the country. This city can be called the city of the future due to the daily innovations being developed every now and then. “It comprise of inhabitant 3,838 per square kilometre making the city the most densely populated (Bischoff, Chauvistré, Kleis, Wille, 2015 pg.7)”. Berlin has a surface area of 891.70 kilometre square (Bischoff, Chauvistré, Kleis, Wille, 2015 pg.13)

A lot of well renowned industries are located in the city such as amazon, Mercedes-Benz Daimler and many other more. This city can also be classified among the cities of top economic growth in the European Union and it is also a major tourist destination because it is well structured, there are a lot of international concert that takes place in the city every time such as sport events, orchestra, theatres, and the night vibes in the city is one of the best in the world. Tourist always want to enjoy the best of their time anywhere they are for a visit which made Berlin the exact and effective place for them to experience.

The city is always filled with different kinds of activities to do at night such as parties, open air concert, pubs and many other shows. This also tends to attract young intellectuals to Berlin and it tends to bring the best out of them.

Berlin is highly advanced in areas of technological research which tends to keep and maintain the progressive development of the city. Famous research institutes such as Fraunhofer, Helmholtz association and max Planck society are located in the city with different universities with reputable image in the world.

The parliament of the federal republic of Germany is located in the city where all the laws and jurisdiction are been voted out into the system which makes the city of high significant value to the world at large.

International events are also hosted in the city such as musical events, fashions, scientific seminars and latest development related to technology which this help a lot in terms of exposure

because it an avenue of exchanging knowledge among different intellectuals from all round the world. This also serve as a means of enhancing international trade by exchanging contacts thereby leading to further communication among each other.

The transportation system located in the city can be called ‘the modern urban transportation system’ because everything is made easy and comfortable for the people to use such as the availability of U-Bahn which conveys thousands of people per day, S-Bahn, Trams and public bus transportation system. The availability of these conveying system at every 15 to 20 minutes made it really stress free for people making use of them. It is also possible to get to any part of the city with the trains.

Housing is not really a problem in the city since most structures are constructed in multiple storeys which really made a lot of apartments available for everyone and the possibility to also live in a shared flat.

The standard of living in the city is very good because of the easy accessibility of job offers at any level either professional jobs, middle class jobs and low class jobs. It is a city where most people would love to live and the security system is been handle effectively by the state government.

The figure below shows the numbers of institutions available in Berlin. A city with such a number of institutions is certainly forced to advance because knowledge is the key to any form of advancement in nature. Research institutions brings about development and adequate improvement to the existing situation in a particular system. Without research, there will be nothing like discovery and without discovery development is subjected to limitation.



Figure 15: Berlin’s economy in figures, 2016 pg.14. Web link: [https://www.businesslocationcenter.de/imperia/md/blc/wirtschaftsstandort/standort/content/berliner\\_wirtschaft\\_in\\_zahlen\\_en.pdf](https://www.businesslocationcenter.de/imperia/md/blc/wirtschaftsstandort/standort/content/berliner_wirtschaft_in_zahlen_en.pdf)

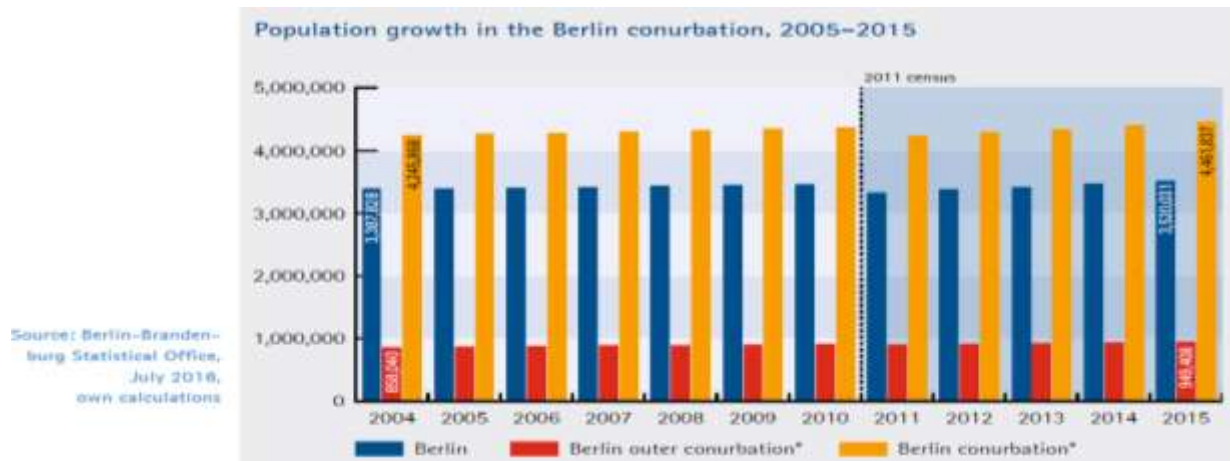


Figure 16: Berlin’s economy in figures, 2016 pg.8 Web link: [https://www.businesslocationcenter.de/imperia/md/blc/wirtschaftsstandort/standort/content/berliner\\_wirtschaft\\_in\\_zahlen\\_en.pdf](https://www.businesslocationcenter.de/imperia/md/blc/wirtschaftsstandort/standort/content/berliner_wirtschaft_in_zahlen_en.pdf)

From the figure 16 above it can be seen that Berlin has been able to maintain a stable population growth “2004 - 2015” with just an increase of about 133000 within the city which show a consistent growth without leading to the overpopulation in the city. But the surrounding cities are also affected by a consistent growth due to the development and the job availability in Berlin brought about the improvement of its environment in an adequate manner. This development can be attributed to the smooth connectivity of the transportation routes which are interconnected within the cities which is the other way round to what is presently affecting Lagos state. No matter how big a city is growing, the population of such a city could still be controlled if adequate infrastructural facilities are made available and the necessary measures are put in place such as the laws that tends to constrain people to behave properly (traffic law).

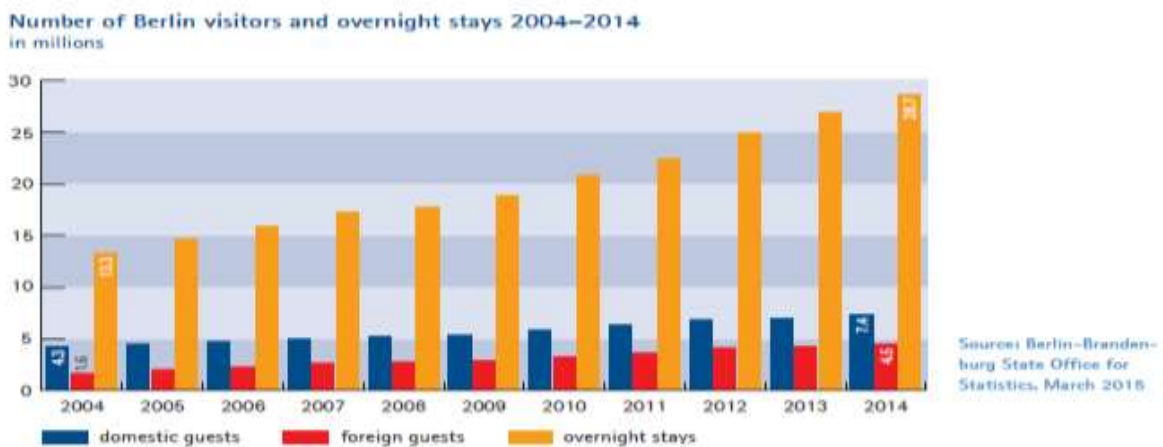


Figure 17: Berlin's economy in figures, 2015 pg.25 Web link: <https://www.ihk-berlin.de/blob/bihk24/English/en/downloads/3178106/8435c9f495d401cf57c9109e458e8580/Berlin-s-Economy-in-Figures-2015--1--data.pdf>

As shown in figure 17 above, the number of guests (domestic, foreign and overnight) keeps increasing steadily due to how the city keeps developing constantly. Innovation and discoveries are like a magnet that tends to pull metallic objects to itself. This is the exact force propelling people from different part of the world to berlin.

According to “(Pretzell and Mertens, 2017 pg.4) Data gotten from Germany’s federal employment agency’s only 170,874 people were registered as unemployed in Berlin in 2016”. This tends to depict the fact that unemployment is just a minor issue in Berlin compared to the rate of unemployment in Lagos which is way more than that of Berlin.

“Over five decades, the transportations system has been under the influence of constant change in the design process (Higher education in regional and city development, 2010 pg.28)”. Change can be said to be a constant phenomenon among humans. The ability and the capacity to move effectively with this ‘change’ trend can be called ‘development’. Therefore, the transportation system in Lagos state has not really undergone any drastic change for decades which is a major cause of transportation issue in the city.

“The first seven best cities in the world are Vienna in Austria, Zurich in Switzerland, Auckland in New Zealand, Munich in Germany, Vancouver in Canada while Düsseldorf and Frankfurt occupy the 6<sup>th</sup> and 7<sup>th</sup> position of these list. Berlin is classified under number 13<sup>th</sup> of these list of advanced cities in the world today. (Nicholas Valencia, 2018)”. These cities are located in the advanced countries of the world. They tend to possess the best forms of urban designs, modern construction designs style, modern transportation system incorporated in a beautiful landscape with a very high amount of business opportunities. These cities did not just develop in a day to be rated among the best in the world, which means it is a gradual development process over the years.

Germany as a whole has four of its cities alone listed among the best cities of the world which is based on the level of advancement (economically, technologically and socially) the country has attained in few decades. Berlin is classified under number “13<sup>th</sup> of the list” because of it was the centre which separated the Eastern and the Western part of Germany prior to the unification of the country which in few more years to come, it must have moved to a better position. The urban developmental system in Berlin is little bit lower than those at the top cities in the world.

This is a great pointer to Lagos state as it is also possible for Lagos state to meet the world's standard if the government makes use of the necessary approach available at their disposal towards a better development of the city.



Figure 18: Berlin city centre. Date 06 August 2018. Time: 11:57. Web link: [https://www.google.de/search?q=berlin+city+centre&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjN3dePINjcAhUM66QKHfN7CT0Q\\_AUICigB&biw=1151&bih=511#imgrc=d4PPWngw-yY6zM:](https://www.google.de/search?q=berlin+city+centre&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjN3dePINjcAhUM66QKHfN7CT0Q_AUICigB&biw=1151&bih=511#imgrc=d4PPWngw-yY6zM:)



Figure 19: Train transportation in berlin. Date 06 August 2018. Time: 15:11. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=4yloW7L\\_IYqykwWlirjgCw&q=berlin+public+transportation+system&oq=berlin+public+transportation+system&gs\\_l=img.3...546364.563755.0.564295.56](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=4yloW7L_IYqykwWlirjgCw&q=berlin+public+transportation+system&oq=berlin+public+transportation+system&gs_l=img.3...546364.563755.0.564295.56)

**Figure 1.1: Percentage of Population Born Outside the Country from WHR2018.pdf**

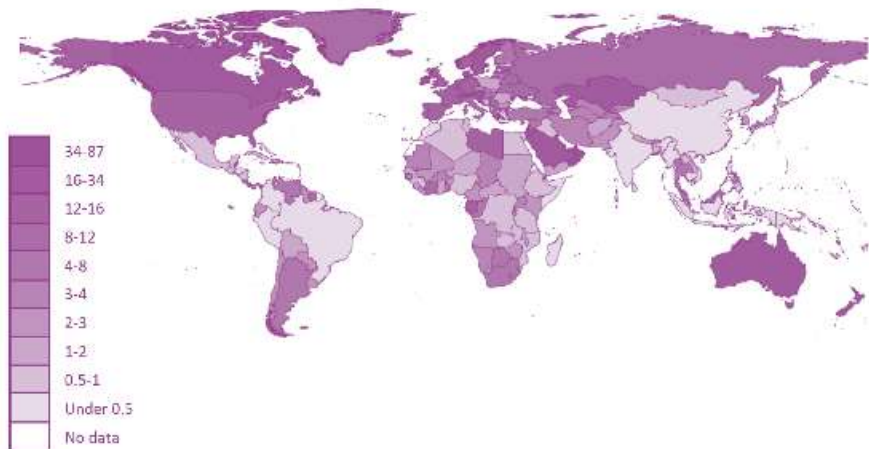


Figure 20 :( Helliwell, Layard and Sachs, 2018 pg.5). World happiness report. ISBN 978-0-9968513-6-7. Web link: <http://worldhappiness.report/ed/2018/>

The percentage of population born outside the country are listed graphically in the figure above. In Northern America, Canada has a percentage of 34 to 87 percent born outside the country while the United States of America has a percentage of 16 to 34 percent. In Europe, Germany has about 12 to 16 percent of its population born outside the country while the France has 8 to 12 percent of its population born outside the country. Australia also is in the range of 34 to 87 percent as that of Canada. Each of the nations has a different amount of the number of their population born outside the country which has a positive or a negative impact towards the advancement and development of the nation. The positive impact can be a reduction in the amount of population since they are born outside the country and these individuals might decide to settle in such a location than coming back to their country of origin while the negative impact is the reduction of the labour force of such a nation especially the developed nations of the world tends to have a lower amount of population compared to the third world countries as whole.



### **1.3.2.1 HISTORY, POLITICS AND SOCIAL INTERACTION IN BERLIN**

“The war in central Europe between the years 1618 to 1648 brought a great disaster to Berlin which led to extinction of almost half of its population. This in consequence led to the influx of immigrants to the state basically from Bohemia, Poland, Salzburg and the French. In 1700 about 30 percent of the population of Berlin were French which they came along with their aesthetic way of creativity and these immigrants led the foundation of trade and craft in Berlin. In 1933, Adolf Hitler and the Nazi party came to reign for a period of 1933 to 1945 and these period led to the construction of monumental buildings such as Olympic stadium and Tempelhof airport as part of the projected renewal capital victory after planned victory of the World War II. In 1961 the Berlin wall was constructed by the German Democratic Party which was later broken down in 1989 for geo-political, economic, social and spatial realignment of significant value. The new Berlin became a breeding site for new culture (Heinrich Böll Stiftung (Nigeria), Nsibidi Institute (Nigeria), Fabulous Urban (Switzerland) 2016 pg. 42-46)”. The history of Berlin tends to show the various stages and challenges which the city has to pass through before getting to where it is today. The state has been centre of war for decades and this has not in any way hindered the city from advancing or developing due to the positive minds of the people living in Berlin and hunger for a change. The history of the state also tends to show how the multicultural diversity of people came about which still reflect in the present day Berlin.

“Berlin wall was a division between the eastern Germany and the Western Germany. The communist-ruled East Germany between 1945 and 1989 and this region was governed by the Soviet Union while the Western part of Germany was controlled by the United Kingdom, France and the United States which they agreed to work together as a team. The Soviet Union built the Berlin wall in order to stop people from migrating to Western Germany (Shelley, 2015 pg.14)”. The Eastern communist ruling body did not release the right of independency of the states which they control as to what the ruling body in the Western states did which shows a little marginal difference in the rate of development within both parts which still reflect today economic wise.

The capital of Germany Berlin is the governmental seat of the nation. This state was formerly divided into two parts known as the ‘East Germany and West Germany’ separated by the ‘Berlin wall’. The reunification of both sides was effected in 1990 making the city today as a single entity. The parliament of the nation known as ‘Reichstag’ is located in Berlin which controls every part of the country. “The nation at large consists of 16 states and each of the states has the capacity

and the authority to implement their own laws as it is suitable to them (Bischoff, Chauvistré, Kleis, Wille, 2015 pg.6)”. This means each are totally independent and this leave room for sustainable growth as it is suitable to each state and there is also a governing head in each state which is also similar to the governors in the Nigerian system of government.

“The bundestag is the German parliament half of the seats in the parliament are assigned through the election of candidates by the parties and the other half through the election of persons in constituencies (Bischoff, Chauvistré, Kleis, Wille, 2015 pg.14)”. The most powerful political parties are the Christian Democratic Party and the Social Democratic Party which tend to hold key post in the political frames of the nation.

Most developed nations of the world has a very good political system which is a borderline between the advancement of such a nation or the fall of such a nation. The political system in third world countries is not in order and that is the main reason of lack of advancement in third world countries which Nigeria is not exempted. “A political division of more than 40 years during the Cold War period and a physical division of more than 30 years imposed differences between the Western and Eastern parts of the city (Biljana Arandelovic & Dushko Bogunovich, 2014)”. This practically proof the fact that world renowned cities today did not just develop suddenly. They did had challenges at one point in time or another but they were able to create a solution for their personal advancement over the years.

The system of government in the nation includes federal laws and states laws in which the federal laws are much more superior to the states laws. Each of the state tends to formulate a policy suitable to them for good governance and control. “Most of the states are governed by a Prime Minister (Ministerpräsident), together with a unicameral legislative body known as the Landtag(Kramer,2013 pg.11)”.

“The constitution of the city of Berlin was formulated in 1950 in former allied-controlled West Berlin and the Berlin House of Representatives has 149 members who are elected for 5 years. The House elects the Mayor of Berlin and 8 Senators, and it controls the budget for the State of Berlin. (Kramer, 2013 pg.29 - 30)”. This tend to show the rule of government has been functional in the nation for decades even before the reunification process of the nation.

The lack of adequate social communication is not available in urban areas due to everyone has to wake up very early and plan for the day ahead and also most people have to catch their train, bus or trams to their various places of work. This is a daily routine for those living in Berlin. In

addition, when they get back home at night they are so tired and are mostly in door with their family and over the weekend these sets of people tends to have a nice time in re-creational centres, cinemas, pubs, hang out with friends and many other activities.



Figure 21: A picture of Berlin in a state of ruin between 1618 -1648. Heinrich böll stiftung(Nigeria), Nsibidi Institute(Nigeria), Fabulous Urban (Switzerland) 2016 pg.43) Web link: [https://ng.boell.org/sites/default/files/ocl\\_book\\_reading\\_order\\_single\\_pages\\_webversion.pdf](https://ng.boell.org/sites/default/files/ocl_book_reading_order_single_pages_webversion.pdf)



Figure 22a. The Parliament. Date 06 August 2018. Time: 16:50. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=vhpoW\\_StOoeUsAeJ773gBg&q=parliament+of+germany&oq=parliament+of+germany&gs\\_l=img.3..0j0i24k113.296088.308853.0.309871.41.19.1.10.10.0.8](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=vhpoW_StOoeUsAeJ773gBg&q=parliament+of+germany&oq=parliament+of+germany&gs_l=img.3..0j0i24k113.296088.308853.0.309871.41.19.1.10.10.0.8)

### 1.3.2.2 BERLIN NUMBER OF INHABITANTS PER DISTRICTS

DISTRICTS OF BERLIN	INHABITANTS
Charlottenburg-Wilmersdorf	315.244
Friedrichshain-Kreuzberg	264.922
Lichtenberg	258.964
Marzahn-Hellersdorf	249.882
Mitte	325.629
Neukölln	305.658
Pankow	356.956
Reinickendorf	243.536
Spandau	224.408
Steglitz-Zehlendorf	288.572
Tempelhof-Schöneberg	332.091
Treptow-Köpenick	236.450

Source: Economic, Social and Territorial situation of Berlin, Germany (Kramer, 2013 pg.31)

### 1.3.2.3 PROBLEMS IN BERLIN

There is nothing called ‘a perfect city’ even in the most developed countries of the world today because everything that has an advantage also have at least a single disadvantage. Some youths in the city are used to drawing on walls which can be seen in different part of the city. These drawings tends to reduce the beauty of the buildings since they make use of different colours which are not so attractive. The city of Berlin will be much more beautiful if this act of painting on walls could be stopped and the walls corrected.

Berlin Hauptbahnhof (main train station) is a connecting point to every part of Germany, surrounding countries and also within the city of Berlin. It tends to occur sometimes that trains are cancelled due to one reason or another such as a problem with the rail track or a tree just fell down

and a lot of people are being stranded based on these problems. It also tends to occur that trains are been delayed which disrupts the plans of people trying to get to their destination at a particular time.

Berlin presently is having housing issue problem because more people wants to live in the city and there are lack of sufficient housing units to accommodate these people and this in turn tends to inflate the prices of existing flats every year which makes it really hard for some people to cope with this trend in the housing sector. “In Berlin, the increase in price is due to lack of adequate housing units due to the small number of construction areas is the main reason (Möbert, 2018 pg.5). Berlin still has a lot of open space which can easily solve this problem by building more housing units to accommodate the needs of the people. “New construction activities in Berlin is slow and the space between building permits and completion of the project are wide apart (Möbert, 2018 pg.2). There is a great need to speedy up construction activities in the city for quick delivery process.



Figure 22b: Wall painting in Berlin. Date 11 August 2018. Time: 13:10. Web link: [https://www.google.de/search?q=youths+writing+of+walls+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwi1m-uWw-TcAhUF3KQKHxsuCXMQ\\_AUICigB&biw=1151&bih=507#imgcr=Er0kfqcwppA2YM:](https://www.google.de/search?q=youths+writing+of+walls+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwi1m-uWw-TcAhUF3KQKHxsuCXMQ_AUICigB&biw=1151&bih=507#imgcr=Er0kfqcwppA2YM:)



Figure 22c: People waiting to see an apartment in Berlin. Date 11 August 2018. Time: 13:18. Web link: [https://www.google.de/search?q=housing+issues+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiJ38Ho7uTcAhVN66QKHSjXC6QQ\\_AUICigB&biw=1151&bih=507#imgrc=H9buRWd-ouY1CM](https://www.google.de/search?q=housing+issues+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiJ38Ho7uTcAhVN66QKHSjXC6QQ_AUICigB&biw=1151&bih=507#imgrc=H9buRWd-ouY1CM):

### 1.3.3 COMPARISON BETWEEN LAGOS STATE AND BERLIN

CONTENTS	LAGOS STATE	BERLIN
Country	Nigeria ( Developing country)	Germany (Developed country)
Currency	Naira	Euro
Population	21 million est.(2014)	3.5 million
Official Language	English	German
Continent	Africa	Europe
Population density	4,193 persons per km2	3,838 per Km2
Religion	Christianity, Islam, black magic	Christianity, Islam, Buddhism, Judaism and None religious groups

Climate	Dry and Rainy season	Summer ,Winter and spring season
Landmass	1380 square miles ~3577 Km2	891.8 Km2
Head of state	Akinwumi Ambode	Michael Muller
Gross Domestic Products	\$ 136.6 billion( 2015)	124.6 billion euro (2016)
Minimum Civil servant monthly wages	62100 Naira approximately 150 Euros	1,974.72 Euros
Average temperature	24 degree Celsius	9 degree Celsius
C02 Emission	29.4 million tonnes (2014)	24.6 million tonnes (2010)
GDP per capita	2412 USA dollars	21400 Euro
Green area in city	Less than 3 percent	14.4 percent(2011)
Supply of electricity	Bad	Good
Availability of good road	Bad	Good
Infrastructural facility	Bad	Good
Job opportunity	Less job offers	More jobs offers
Transportation system	Inadequate	Adequate

Source: This table was generated from different materials based on personal research.

### 1.3.4 DIFFERENCES BETWEEN LAGOS AND BERLIN

<b>BASIC NEEDS</b>	<b>LAGOS</b>	<b>BERLIN</b>
Food	Insufficient food	Sufficient food
Clothing	African traditional wear	European wear
Housing	Poor Housing standard	Good Housing standard
Water	Scarcity of clean water	Availability of clean water
Jobs	Scarcity of jobs	Availability of jobs
Social Relation	Unlimited social relation	Limited social relation
<b>ADVANCED NEEDS</b>		
Family	Extended Family member	Limited family member
Travelling	Travel not so much	Travel a lot

Culture	Yoruba culture	German culture
<b>FUTURE NEEDS</b>		
IT- Technology	Low IT-Technology	High IT-Technology
Discoveries	Low Discoveries	High Discoveries
Research	Low Research	High Research
Industrialization	Low Industrialization	High Industrialization

Source: This table was generated from different materials based on personal research.

**1.3.5 URBAN PLANNING BETWEEN LAGOS STATE AND BERLIN**

“Lagos as a whole, about 70 percent of the population in the state has unequal access to efficient transportation, education, jobs land titles and electricity (Heinrich Böll Stiftung Nigeria, 2016 pg.8) this tends to depict how the urban system in the state has not developed to the standard it ought to have gotten to. It is expected for a progressing nation or state to move according to time but if that is not the case, then this tends to hinder the growth of such a city and its people which is exactly what the city of Lagos is facing presently. A typical example is Berlin which was able to develop consistently and progressively into what it is today in less than three decades and being ranked among the best cities in the world.

“The government has introduced bus rapid transit (BRT) and the commencement of light rail network are part of the new master plan (Heinrich Böll Stiftung Nigeria, 2016 pg.9)” There is no use of inventing a product if that product could not be sustained over a long duration of time. This is the problem facing the bus rapid transit which are not efficiently managed and maintained by the government of the state and the development of a “light rail track” will not solve the problem of transportation in the state. The city of Lagos is in need of a heavy rail planning system such as the underground rail way system and interconnection of the normal rail system from different parts of the state to some strategic positions in the city like the business districts in the state and to other surrounding states. The new innovation rail way system in Wuppertal, Germany which is the suspended rail way system can also be implemented in the city to curb the problem of



transportation. Eradication of the public transportation system in the state and introduction of tram will enhance transportation in the state.

“About 70 percent of Lagos state is in a state of informal settlement and the allocation of land is not planned which projects informalities. Self-construction system is a normal phenomenon in the state with a large hindrance on the road facilities (Heinrich Böll Stiftung Nigeria, 2016 pg.73)”. Deforestation has really eaten the city of Lagos to a great extent which these lands are turned into habitable homes or slums. This is why it of a great need for urban planners to re-plan the state according to the present condition and allow great allowance in planning that will also favour the future generation. In the planning stage, each sector should be allocated based on the economic factor, the integration system within the state and the favorable benefits of its citizens and foreigners living in the state.

“The development of urban planning in the state takes into consideration the whole city of Berlin which comprises of work, living, social infrastructure, transport, supply and waste disposal which serve as a foundation for all future planning. Berlin urban plan is a continuous process and also open to suggestions (source: Berlin.de)”. The urban planning system in Berlin is so structured in such a way that it incorporates every essential part of human day to day life and it also leaves space for growth and amendment to changes based on the development process that might occur in the city for the upcoming generation. These planning approach is very good and easy to edit since a good foundation has already been laid down (essential components in human life).

“Berlin sees the necessity in natural conservation and development of green space as an important part of urban development and social equality. Urban nature is a way of integrating natural environment in the city. (Thierfelder and Kabisch, 2016 pg.121)”. Greenery is seen as an important element in Berlin which is highly ranked based on the planning part of the city while on the other hand. Greenery tends to give Berlin a particular atmosphere of serenity and peace which have a great influence on human behavior. Greenery is an integral part of Berlin landscape but neglected in Lagos state landscape. Berlin tends to pay more attention to beautification of the city for human comfort in the stage of urban planning.

## 2.1 CAUSES OF OVERPOPULATION IN LAGOS STATE

“Lagos is the biggest city in Nigeria and the largest city in sub-Saharan Africa. This state encounter eruptive growth in population during the late 20<sup>th</sup> and early 21<sup>st</sup> centuries (shelly, 2015 pg.351)”. The causes of these overpopulation in the state are further discussed explicitly below based on the following points.

**2.1.1 IMMIGRATION:** The search of a better life has forced a lot of people from their native country into a foreign land. According to “(Orn B. Bodvarsson and Hendrik Van den Berg, 2013 pg.2), it is assumed that 3% of the world population live in another man’s land which is calculated approximately more than 200 million people”. “Lagos has a populous amount of dwellers who are native to other West African countries (Shelly, 2015 pg.352)”.

Skilled and educated immigrants contributes immensely to the country where they settle in by boosting the economy of that particular nation. In addition, immigrants are everywhere in the world both developed countries of the world which Germany is also part of them and the under developed country like Nigeria. They mostly move to the main cities in the nation where they abide. Just a very little amount of immigrants reside in smaller cities.

Immigrants are ready to move anywhere within their host country as long as there is job opportunity in the city or town they are moving to. Moreover, no human being on earth love stress which is a major challenge in a bigger city. Therefore if there is a way for more jobs creations immigrants’ population would definitely reduce in Lagos.

Immigration policy within Nigeria is not as tight as it is here is Germany. It is very easy for anyone to come into the country and settle anywhere they want especially in Lagos which is a main course of overpopulation and most of the immigrants in Lagos are basically skilled workers from republic of Benin like masons, carpenters, tillers and P.O.P makers while the unskilled workers are from Niger, Tchad republic and Senegal which basically help at the sea port in loading and offloading goods and services. These immigrants are free to work as long as they want because there is nothing like work permit in Nigeria and they tend to work as much as their strength permits them while in Berlin a work permit must be issued by the authority before an immigrant is legally allowed to work.

The government of Nigeria has no concrete figure of the flow of immigrants available within the country which is not supposed to be that way while here in Germany the government controls everything. This is the main cause of stability in the economy of Germany while in Nigeria is the opposite.

Strongly believe if only the government can have control on the inflow of people into the country it will go a long way in solving the problem of overpopulation in Lagos state.

**2.1.2 EMPLOYMENT:** Overpopulation tends to push people in search of comfortable livelihood. Nobody want to live in abject poverty, everyone always want to have three square meals a day and a roof over his or her head. This factor as described by “(Thornton, 1999 pg.114) A permanent lack of employment of the labouring class can be term as overpopulation”. Due to the continuous influx of people into this area start to lead to lack of employment for some people which is big problem in the society at large. This is a prominent determinant of overpopulation. People are mostly displaced basically in search of job or have a better job offer somewhere else.

Availability of jobs in smaller cities will attract a large majority of people away from urban area due to everything is easily reachable to a person in smaller city than in bigger ones.

The basic reason while smaller towns are experiencing under population is because lack of adequate employment opportunity and also low wages compared to urban areas. The major movement to Lagos is rural to urban movement in search of a better life which keeps increasing the population of Lagos every blessed day. Lagos is known as the Land of opportunity to the Nigerian with a mentality you can make it if only you move down to Lagos.

The economy of Nigeria is basically anchored within Lagos state that is, the power point of the nation while in Germany, the economy is not only anchored to Berlin but it is uniformly distributed to all other states like Baden-Württemberg, Bayern and Northrhein Westfallen which makes it possible with no problem of overpopulation in Berlin and other states.

The best solution to this problem is the decentralization of the work flow from the urban areas so that this can create a uniform flow of employment in the country. A typical example, most company and businesses are in urban cities. If only some of the industries could be moved to smaller towns it creates jobs in that vicinity thereby forcing people to move out from urban settlement to this smaller settlements.

Only if companies in Lagos could move their IT section to other nearby states which they only work on computer this will also reduce the problem of overpopulation in Lagos and the cost of getting a property in such nearby states are not as expensive as it is in Lagos. The cost of acquiring a plot of land in Lagos alone could be used to acquire ten plots of land in the nearby state which also save a lot of cost for the companies and also save a lot of incomes for their employees in term of cheaper housing in other nearby states as compared to Lagos.

**2.1.3 INFRASTRUCTURAL SERVICES:** The infrastructural facilities in Lagos is far much more better than any other states in the country such as the best hospitals in the country are situated in Lagos, best schools are in Lagos, services like cinemas, cultural museum and amusement parks are all in Lagos but some are also located in other states but not as efficient and interesting as the ones in Lagos, international airport is also located here in Lagos. More emphasizes on these points stated above.

2.1.3.1 HOSPITALS: Since the best clinical centres are located in Lagos, people with critical health challenges are forced to move down to Lagos in order to receive the necessary care for the betterment of their health while in Germany best hospitals are not located only in Berlin but also in other states in the country. Therefore the issues of movement from one state to another for a better medical treatment is not an issue while in Nigeria some states hospitals do not even have adequate medical equipment's within their reach which is a great challenge on the health of those living in such a state.

2.1.3.2 TRANSPORTATION: According to "(Diane de Gramont, 2015 pg.20) until the year 2007, Lagos was the biggest city in the world with no organized public mass transit only the availability of private buses known as 'Danfos'. An estimate of 83000 buses operated in Lagos state only in 2008". This is a huge challenge because the bus owner fix any price they want for transportation fair. This really made transportation a huge source of revenue in the city and great stress on the population making use of this medium to their various places of work.

In recent years, came into Lagos the introduction of "Bus rapid transport system generally known as (BRT) making use of a special lane in order to beat traffic (Diane de Gramont, 2015 pg.22)". This transportation system relived Lagosians of some stress in term of transportation and this

system also provide a fixed price on the T – fair but the disadvantages of these BRT is that they are not properly maintained and are quickly exposed to rapid deterioration with the durability of these buses.

The system of transportation is very poor in Nigeria as a whole and the major transportation route system is through the roads which are always in a terrible condition of use. The rail way system is not as effective as it ought to be and the roads are in a dilapidated state which makes movement a great challenge to allot of Nigerian. An effective transportation system can ease a little in the problem of overpopulation in the state since there are a lot of people in Lagos that lives in surrounding states but due to lack of effective system of transportation they are forced to stay in Lagos with friends or relatives during working days and they travel back to their various homes over the weekend. For instance it is very easy for someone living in Neubrandenburg to work in Berlin and also come back the same day to Neubrandenburg. The question is why? Simply because of good transportation network the availability of train which even makes it much cheaper with a group ticket and other public transports like flixbus which is very effective and also very cheap. These are the possible solutions to the problem of overpopulation in Lagos state.



Figure 23: Bad transportation route in Lagos. Date 07 August 2018. Time 11:16. Web link: [https://www.google.de/search?q=bad+road+in+lagos&source=lnms&tbn=isch&sa=X&ved=0ahUKEwj27sG6ytrcAhXO2aQKHXOLAOUQ\\_AUICigB&biw=1151&bih=511#imgrc=ADcN69LUu6BlqM:](https://www.google.de/search?q=bad+road+in+lagos&source=lnms&tbn=isch&sa=X&ved=0ahUKEwj27sG6ytrcAhXO2aQKHXOLAOUQ_AUICigB&biw=1151&bih=511#imgrc=ADcN69LUu6BlqM:)

2.1.3.3 SERVICES: The issue of electricity supply is a paramount problem in Nigeria. There are states and regions within the country with no supply of electricity available for them for several months which really makes life very uncomfortable and practically not able to carry out their daily business because every shops or office requires the use of electricity which is a major challenge and this issue of electricity is a little bit better in Lagos which is also another factor of overpopulation in this region. Germany has never had any power outage which makes every businesses keep running on a constant level and people are not pressurized in any way to move from one location to another since the basic amenities are available in every part of the country. Seasonal periods like Easter and Christmas for example, some people have to travel inter-state in order for them to enjoy this season with their family and loved ones. Services like going to a cinema or a famous amusement park which might not be available in the state in which they live. Overpopulation can only be reduced in Lagos state only if the standard of living and adequate social amenities could be provided in other states of the federal republic of Nigeria.

**2.4 POVERTY:** Lack of basic amenity like food, cloth and shelter is simply poverty. According to “(Adekola, Allen, Akanbi & Adewumi, 2016 pg.1) an increase in unemployment results into poverty and this subsequently affects other social amenities value needed”. The gap between the rich and poor in Nigeria is so wide that some people find it really hard to have a triple meal a day and to pay for a single room apartment. “Poverty can be referred to specific level of deprivation which impose a barrier over the normal way of living (Oduwaye and Lawanson, 2012 pg.2)”. There are a lot of families in Lagos that still live in a single room apartment with three kids in that same apartment while the standard of living in Berlin is not as terrible as it is in Lagos. A family living in Berlin has at least two bedroom apartment with two kids and the government tends to support as much as they can even if the situation of things are bad. The Nigerian government has no provisions for the less challenged citizens in the society.

A lot of young teenagers are on the street of Lagos just to make an ends meet by selling drinkable water, chips, fruits, phone chargers and all other kinds of commodities in traffic just to make a living.

According to “(Thornton, 1999 pg.3) hunger and hardship has grown to be a normal way of life in an overpopulated area”. Which is a fact that is presently a great challenge to Lagos. The

level of hardship among the people cannot be under estimated and no adequate steps have been taken yet for an improvement.

Poverty has really made the crime rate in Lagos really high to such an extent that you have to be at alert at every point in time because you can easily be robbed even during the broad daylight. A solution really needs to be done in order to improve the marginal gap between the rich and poor in Nigeria.

The government should create more awareness on entrepreneurial skills whereby each individuals can do something on his own not totally depending on the government for help. Availability of more jobs opportunity is another solution like agriculture, most youths only want an easy way of making money which is also killing the agricultural sector of the economy. Nigerians have also been feeding on imported rice for several years which is not right since we have the capability and a favourable weather to produce what we need. The present government just few years ago banned the importation of rice into the country which is a nice solution if well implemented. If the government can offer incentive to agriculture, this will also tend as a way to reduce the over crowdedness of Lagos thereby forcing people to move out Lagos to get a farmland.

Nigeria is a land filled with crude oil and till this day we still export oil to oversee for refining. The government should be able to develop refineries in strategic locations in the country to create more job opportunities for its citizens this will also serve as a way to reduce the overpopulation problem in Lagos state.



Figure 24: Youths hawking just to make a living. Date 07 August 2018. Time: 11:47. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=v2lpW5rUGsOakwWFnqWQCA&q=young+teenager+hawking+in+lagos&oq=young+teenager+hawking+in+lagos&gs\\_l=img.3...3182.7402.0.7823.10.10.0.0.0.62.557.10.10.0...0...1c.1.64.img..0.0.0...0.NyMQZssDCjE#imgrc=nABhMckxWZlsmM](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=v2lpW5rUGsOakwWFnqWQCA&q=young+teenager+hawking+in+lagos&oq=young+teenager+hawking+in+lagos&gs_l=img.3...3182.7402.0.7823.10.10.0.0.0.62.557.10.10.0...0...1c.1.64.img..0.0.0...0.NyMQZssDCjE#imgrc=nABhMckxWZlsmM):

**2.5 INDUSTRIALIZATION:** According to “(Algoni umar Sheriff, 2016) Nigeria industries was classified as 30 percent no more in operation and 60 percent with an unstable managerial skills and 10 percent functioning”. The active industries are basically located in Lagos which is another factor of overpopulation in the city. Industries in Lagos are food industries, construction industries, telecommunication industries, major clothing markets. This particular state is the home to “85 percent of Nigeria activity (Aworemi, Abdul- Azeez, Opoola, 2011 pg.137)”.

Industrialization brings about development and development tends to attract as much as possible people. Industrialization brought about an increment in the salary of the job at hand which in turn attract more mankind to the location.

The decentralization of the German economy did not result to any form of overpopulation upon any state in the country like Berlin and other cities has a sustainable growth system, which would be a solution for Lagos. Companies could move their manufacturing industries to smaller towns which would be much cheaper in terms of land acquisition, labour force and availability of space which is a great problem nowadays in our present day Lagos. This solution bring about creation of jobs for the people in that particular vicinity.

If the government makes adequate provision in the country, such as stable electricity supply, good roads that has a proper network connection between different cities with a moderate tax rate on industries, this will attract more foreigners into the country for investment and creation of more jobs opportunities in different parts of the nation thereby reducing the overpopulation rate in Lagos state and also improve the upon the way people live in the state.

Industrialization is a major factor of population boom in Lagos. Nigeria as a nation is so largely blessed with a lot of raw materials cotton, bronze, crude oil, timber, plastic and so many more. The united states of America make use of what they have for the construction of buildings which is wood.

The government could invest more in timber industry in such a way we make use of timber for the construction of houses in Nigeria which is much cheaper than concrete way of construction. This will also serve as an avenue in the creation of more jobs opportunities in the country which reduces stress of mankind in Lagos.



**2.6 EDUCATION:** The availability of some key institutions in Lagos adds to the population of the state. As expressed by “(Diane de Gramont, 2015 pg.7) South-Western part of Nigeria and Lagos has a great historical educational value more than any other location in the country”. There are two great recognized globally institutions in Lagos alone which are university of Lagos and Lagos state university. Not only are these two available also polytechnics schools are also available such as Yabba technology and Lagos poly. These are only a few mentioned so far which comprises of thousands of students. “Educational institutions in urban centres has more improved facilities and equipment’s than those located in the rural areas (Aworemi, Abdul- Azeez, Opoola, 2011 pg.140)”.

It can be said where there are institutions, job creation is fundamental either on a large scale or on a smaller scale. For instance, student needs to eat in restaurants, shop, by books, work, party and rent an apartment. This tend to create a pulling force of people into such a location in creating either medium or smaller scale businesses.

There are many unwanted pregnancies among the present day youths in Lagos state. Why? Because adequate emphasis where not been made of the danger and risk involved in unwanted pregnancies which I believe it should be a core content in school curriculum especially from primary schools of the danger and risk involved in it. This will go a long way in reducing the population of Lagos state.

**2.7 RELIGION:** This another major cause of population in Lagos state. There are different forms of religions in Nigeria which are the Christians, Muslims and the others. Each of these religion has specific believes which are different from each other and this tends to contribute largely to the growth of the population. For example, Muslims are allowed to marry up to four wives as long as they have the capacity to take care of them equally and each of these women would definitely what to have at least three to four kids of her own making an approximately of nine to twelve kids in only one single family. This is a state that is basically dominated by the Muslims in Nigeria which is a major contribution to the population growth of such a state while the German culture is not so, most family basically have two kids which tends to make the population growth steady and under control.

Parents also tends to marry their children off at a very young age in Lagos. For the ladies between the age bracket of 20 to 24 and the guys 20 to 26 which tend to keep the population

growing everyday due to the mentality and different believes of people. A male child of any family in Lagos tend to marry very early due to the pressure he or she faces every day from the parents saying we need to see our grandchild and the siblings saying we are waiting for you to get married first. The main issue might be the person might not be yet financially buoyant enough for that task, but due to the pressure he or she faces might be forced in on time before he or she is fully ready which tends to become a challenge for the society at large.

Another vital point apart from religion is that children are the only one that tends to take care of their parents when they are of old age that is why people always like to have enough children at least one of the kids someday will look after their wellbeing while Germany there in an insurance system whereby 9.3 percent is been deducted every month from everyone salary which tend to cater for that particular person when he or she is old. If such a system could be adopted it would go a long way to change the perspectives of people in the country.

**2.8 RURAL TO URBAN MIGRATION:** The movement of people from the rural to urban migration is on a daily increase due to the poor standards of living in the rural areas, lack of job availability, bad roads, lack of purified water, lack of electricity supply to carryout daily activities and businesses, lack of adequate development and lack of exposure has forced a lot of people from their homes to urban centres in Lagos state. “The rural populace tends to migrate either temporarily or permanently in order to have a comfortable way of life (Aworemi, Abdul- Azeez, Opoola, 2011 pg.137)”.

This also lead to the point that a lot of people are homeless in the state or even lives in slum areas in Lagos which is not conducive in any way for proper living. The government has not in any way made adequate plan to this challenging problem facing this city. “Lack of adequate infrastructures resulted into the development of urban slums and this is a contradiction to urban planning regulations (Filani, 2012 pg.8)”.

Youths in the rural areas, when they attain a certain age between the age bracket of 18 to 22 has a special urge within them to move out to Lagos because they want to have another taste from what they are used to. In the rural areas, there is nothing like cinemas, amusement parks and stadiums to watch football matches which is a very famous sport in Nigeria. “The consistent evacuation of youths from the rural community therefore abandoning the old and middle age groups as the labour force (Aworemi, Abdul- Azeez, Opoola, 2011 pg.137)”.

The availability of higher institution in Lagos is also a pull factor for those who want to further more in education to move down to Lagos. Almost every city in Germany has a university or Hochschule which anyone interested to study can easily pick. Therefore, it is not a necessity for anyone wishing to study to move down to Berlin.

This migration process has really weakened the agricultural capacity of the nation due to the fact that most people are abandoning this great and ever effective way of production for an unknown job. The agricultural sector is one of the fundamental pillars of the economy. For instance, when one of the supporting load of a column in a building has a defect, it tends to destabilize the whole structure of the building which is exactly the same problem facing Nigeria.

In Lagos, there are some gangs of people known as “area boys and girls” and all they do is to cause more harm to the system. They collect illegal money from the citizens and there is nothing the government can do about it, therefore it has been turned into a legalized business. They collect money from transporters for every single trip they made, they tend to steal from people both in broad day light and at night which a great factor of insecurity, they tend to cause chaos during election periods and many other illegal activities. Many of these people are homeless and they tend to sleep anywhere they feel which makes insecurity in the city a great challenge while in Berlin, such a case must have been adequately dealt with by the federal government even if the state government could not handle it.



Figure 25: Area boys on the street of Lagos. Date 07 August 2018. Time: 12:58. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=yGlpW-KrHdLekgXVhIG4Cw&q=area+boys+lago&oq=area+&gs\\_l=img.3.1.0j0i67k1j013j0i67k1j014.4083888.4087628.0](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=yGlpW-KrHdLekgXVhIG4Cw&q=area+boys+lago&oq=area+&gs_l=img.3.1.0j0i67k1j013j0i67k1j014.4083888.4087628.0)

.4089807.37.16.0.0.0.86.1008.14.14.0....0...1c.1.64.img..31.5.361.0..35i39k1.0.fh5fvPJdaHs#imgrc=i7omqMwD1  
ui2-M:

**2.9 INSECURITY:** The present problem insecurity within the country is at an alarming rate which is caused by the terrorist groups known as “Boko Haram” creating chaos at the Northern pole of the country. They are into bombing at different location, kidnaping of innocent girls and killing of innocent people has displaced some people from their homes down to Lagos state causing additional growth in population to the state. This group is purely “against Western education and trying to force its own religious and political beliefs in the country (International religious freedom report, 2013 pg.7)”. This is basically an act of lack of civilization which means that seeing a white substance at hand and simply calling it a black substance at every cost.

The government of Nigeria needs to cure this disease trying to tear up the country apart with urgent action. In Germany, there is nothing like terrorist group in a particular region because they take quick action at every point in time on any problem that might want to come up. Quick action needs to be taken before it get out hand totally.



Figure 26: Boko Haram group. Date 07 August 2018. Time: 13:17. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=V31pW-qyEufgsAfRnb64Bg&q=boko+haram+in+lagos&oq=boko+haram+in+&gs\\_l=img.3.0.35i39k1j0l5j0i30k1l4.134040.134849.0.136164.4.4.0.0.0.96.318.4.4.0....0...1c.1.64.img..0.4.316...0i67k1.0.I7x10Y64keQ#imgrc=cN51WEpRbKsifM](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=V31pW-qyEufgsAfRnb64Bg&q=boko+haram+in+lagos&oq=boko+haram+in+&gs_l=img.3.0.35i39k1j0l5j0i30k1l4.134040.134849.0.136164.4.4.0.0.0.96.318.4.4.0....0...1c.1.64.img..0.4.316...0i67k1.0.I7x10Y64keQ#imgrc=cN51WEpRbKsifM)

**2.10 LACK OF SKILLED LABOUR:** Most youths nowadays, in the country has a particular mind set ‘they just want to go to school and get a degree to work’ which is a great challenge for the nation because most are not really thinking on how to start something on their own but they just want to work. The result is the country produces thousands of graduates every year with no room for work availability and most of these graduates have a motive of getting a job in Lagos state adding to the population of this city at an alarming rate.

The education curriculums in universities needs to be reviewed and changes needs to be made on them. In Germany there are different classes of institutions depending on the person choice of interest which are universities, Hochschule and Beruf schule. Each of these institutions have a specific way of teaching which tends to bring the best out of every students with latest technological modern of teaching moving along the sequence of time.

The system of education in Nigeria is still the same for decades with no form of improvement or changes made. For instance, the computer programs and system of development used 30 years ago is not the same used in our present day.

## 2.11 FERTILITY RATE IN LAGOS:



Figure 27: Fertility rate for Nigeria and Lagos state. Source: (Lagos state government, 2015). Web link: <http://mepb.lagosstate.gov.ng/wp-content/uploads/sites/29/2017/08/Demographic-Dividend-in-Lagos-State-2015-1.pdf>

The figure above tend to show high birth rate in Lagos as compared to the whole nation at large and this approximately round up to about 65 percent birth rate of the entire nation is been produced in Lagos state alone and the other 35 states makes up the remaining 35 percent birth rate. “Rapid rate of population growth in the country is due to continuous birth rate (Shelly, 2015 pg.233)”.

This high rate of fertility is a major contribution to the population explosion in the city of Lagos which means the government needs to take adequate prevention to control birth rate by creating proper awareness to the people in the community at large on the socio-economic effects of this population growth and the impacts on the society. Lack of proper education of family planning is a main cause of the increase in birth rate in Lagos. The government should make sure that family planning is well made known and implemented. The government can also make the consultation for family planning free in the hospitals this will aid more and tends to decrease the fertility rate in the city thereby putting the population of the state under control. Incentives can also be initiated by the government to families who practice and make use of family planning techniques.

**2.12 MARKET:** The availability of popular markets in the state is another factor of overpopulation. The ‘eko edu mota market’ is a very popular and in this market you can buy any kinds of clothing designs, shoes, watches, cosmetics and many more. People tends to come from other states and outside Nigeria to shop at this market both wholesale and retail dealers.

Secondly, is the ‘computer village ikeja market’ here basically deals with only electronics products such as computers (both used and new once), phones (both used and new ones), home appliances and other electronics accessories. It is also possible for someone to fix his or her system here or even sell a system at this trading market.

The biggest trade fairs in the nation are also available in the city which tends to pull people far and wide from other states and also foreign delegates attend this great trade fairs. ‘Yabba’ market is another much known market in the state, this market is popularly known for used imported clothes sale (bale), bed sheets and sales of books.

A market location is a major point which tends to attract as many people as possible and it also tends to contribute significantly to the economic growth of the state.



Figure 28: Computer Village Ikeja market. Date 07 August 2018. Time: 13:44. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=UIRpW-3CJsKwkwXavK2oDQ&q=ikeja+market&oq=ikeja+market&gs\\_l=img.3..0j0i24k1.88967.95980.0.96999.20.12.2.0.0.0.126.858.11j1.12.0....0...1c.1.64.img..9.7.478...0i7i30k1j35i39k1j0i67k1.0.NeyL4degJBc#imgrc=Ggq1qBEQ6\\_5](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=UIRpW-3CJsKwkwXavK2oDQ&q=ikeja+market&oq=ikeja+market&gs_l=img.3..0j0i24k1.88967.95980.0.96999.20.12.2.0.0.0.126.858.11j1.12.0....0...1c.1.64.img..9.7.478...0i7i30k1j35i39k1j0i67k1.0.NeyL4degJBc#imgrc=Ggq1qBEQ6_5) UTM:

### 3.1 PROBLEMS OF OVERPOPULATION IN LAGOS STATE

According to “(edited by Caldwell, 1975 pg.4) an increase in population calls for the provision of more housing, schools, roads, production facilities and many more”. These provisions always tends to affect the state government budgets especially in third world countries where there is always a challenge of misappropriation of funds and bad statistical records of how to proceed in order for a better development in the country.

“The speedy growth of a city tends to cause many ecological, economic and social problems. 30 percent of the urban populations in developing countries live in slums or informal settlements (International Federation of Surveyor, 2010 pg.74)”. The problems of overpopulation in Lagos state will be explicitly explained below which are a major factor of social and economic depression to the system. “The population of Lagos state is suggested to be 28, 364, 340 by 2050. (Adekola, 2017 pg.7)”. If adequate prevention is not taken from now on, the city will be in a total case of chaos by the year 2050.

**3.1.1 URBAN DECAY:** Overpopulation tends to harm the urban environment in so many ways such as poor housing condition, poor urban planning, poor infrastructural planning, creation of urban slums and bad environmental conditions. The quality of life in Lagos state can be said to be among the worst living conditions compared to the standard in Berlin. “Government control in mega cities are often faced with challenges of urban densities, transport, traffic congestion, energy inadequacy, unplanned development and lack of basic services, illegal construction, informal real estate markets, creation of slums, poor natural hazards management in overpopulated areas, crime, water, soil and air pollution leading to environmental degradation, climate change and poor governance arrangements. (International federation of surveyor, 2010 pg.8)”. These problems stated above are basically what present day Lagos state is experiencing and this serve as a great hindrance to the development and advancement of the city to be able to stand out as one of the best cities in the world in the future.

“According to Lagos State government, Lagos produces 10,000 metric tones of waste daily (Heinrich böll stiftung Nigeria, 2016 pg.137)”. These waste are dumped on the road sides, in front of the houses and some even kept in public places. The problem of these waste is that the waste



management authority in the city is not efficient enough in the waste collection system which serve as a nuisance to the environment and some time, they do not come to carry the waste at the due time and the people keeps dumping more waste on the old once spreading down the ground. This sector need to be improved in order to have a cleaner city.



Figure 29: waste dumping in Lagos. Date 07 August 2018. Time: 15:10. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=TYZpW9LFDZC2kwWvoZrQAg&q=waste+dump+in+lago&gs\\_l=img..3...4635710.4652178.0.4653440.38.22.0.4.4.0.99.1445.21.21.0...0...1c.1.64.img..18.15.793.0..0j0i8i30k1j35i39k1j0i67k1j0i30k1j0i5i30k1j0i24k1.0.iV5uXkpG-as#imgrc=qgkFoUIDiHVvnM](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=TYZpW9LFDZC2kwWvoZrQAg&q=waste+dump+in+lago&gs_l=img..3...4635710.4652178.0.4653440.38.22.0.4.4.0.99.1445.21.21.0...0...1c.1.64.img..18.15.793.0..0j0i8i30k1j35i39k1j0i67k1j0i30k1j0i5i30k1j0i24k1.0.iV5uXkpG-as#imgrc=qgkFoUIDiHVvnM):

**3.1.2 HOUSING:** “Lagos is the most populated state in Nigeria and most of populace are situated in the metropolitan area, which therefore involves accommodation is one of the main importance in urban development (Aluko, 2010 pg.67)”. The problem of ‘accommodation’ is a great challenge to the state due to the growth of the population leading to the development of urban slums in some parts of the state and some buildings are also been constructed in some unlawful places within the city. For instance a building project could just be carried out on a piece of land that is meant for walk way or an inter-connection area between different streets thereby creating a blockage in that particular location. “The housing condition is in a terrible state and lots of homeless people has grown, while urban slums have risen in size (Nwosu Ahiauba, 2013 pg.231)”.

Land owners sometimes try to steal part of the government property in the state like constructing beyond their actual land dimension which is then extended to the state government road, sewage area and pavement. In urban city like Berlin, this cannot be permitted due to the structure of organization and efficient control by the state government which implies everything is done by the law.

Most building construction works in the state does not obey building bylaws and they tend to do as they will and this also tends to lead to rapid degradation of the building within a few decade or possibly collapse after few years. This is because when the inspectors comes to site to inspect the building, the contractor or the building owners tends to bribe the inspector during the inspection stage of the construction process thereby giving the engineers a free ride to reduce the quality of the materials meant for a particular section or construction in the name of saving cost or having more gain at the end of the building project.

“When cities grow, they experience moderate house price increases and large population changes. When cities contract, they experience large house price drops and small population changes (Gilles Duranton & Diego Puga, 2013 pg.16)”. The rate of ‘price increase’ in Lagos state is almost three times the cost of the same flat in the nearby states with lesser comfort as can be experienced in the nearby state. That is why a family man can just be living in a single room and parlour with four kids due to how expensive housing could be in the city.

“Poor ventilation in various residence and place of work and most construction processes carried out pay little attention for thermal comfort through proper aeration of the building (Lanrewaju, 2012 pg.425)”. Houses in the city of Lagos are void of spaces between them. They are always constructed to each other in order to make use of all the land spaces available which is optimum use. It is very hard in Lagos to see a standard home that comprises of a building, a garden, children playing section in the court yard, a car park and a relaxation section in the court yard. Only a few can be found in Lagos and it is only located in the rich men areas while in Berlin it is very common to see a standard home with little garden for optimum comfort of the people living in it.



Figure 30: Slum Area in Lagos state. Date 16<sup>th</sup> July of 2018. Time 16:26. Web link: [https://www.google.de/search?q=slum+in+lagos+state&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjpr6Ok5qPcAhUFPFAKHeweDbkQ\\_AUICigB&biw=1163&bih=534#imgrc=\\_z5B-XtttBBwuM](https://www.google.de/search?q=slum+in+lagos+state&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjpr6Ok5qPcAhUFPFAKHeweDbkQ_AUICigB&biw=1163&bih=534#imgrc=_z5B-XtttBBwuM):

**3.1.3 HUNGER:** “One of the greatest problem facing the world presently is food security because of the continuous increase in price of consumable goods and it tends to affect mostly third world countries which Nigeria is among (Odusina Olaniyi, 2014 pg.21)”. A lot of families in Lagos find it really difficult to feed on a three square meal per day due to the economic recession facing the country at large. This problem of mal nutrition tends to reduce the rate of growth in the lives of the young once and the productive capability of a person.

The population presently tends to blame the government because the federal government is trying all possible means to stop importation of most consumable goods into the country and trying to force the locally produced goods on its citizens.

A civil servant monthly payment in Lagos is 62,000 naira which is approximately 150 euros and it is with this income a civil servant will cater for his wife and children. That is the main cause of corruption in the country because the people are finding it really hard to meet their daily needs and commodities are getting much more expensive by the day. It is time for the government to look into the minimum wages and try to make some amendable adjustment to it. “In Germany the minimum basic salary A2 step 1 is 1,974.72 euros (Federal ministry of interior, 2014 pg.84)”.The salary difference between Berlin and Lagos state tends to show a better clarification in the standard of living in both cities.

There are also a lot of professional beggars in Lagos fully dressed up like gentleman or lady, thinking maybe they want to ask about how to locate a particular address but unfortunately they are asking for money most of the time in order for them to cater for their needs.

Hunger has also lead a lot of people into many forms of illegal activities such as stealing, robbery and fraud popularly known as '419' in the country.

**3.1.4 LACK OF ELECTRICITY:** This phenomenon is a normal challenge to Nigerians and the people are now getting use to this way of life as something which is normal. "Electricity is the centre of both economic and technological development. Electricity has now become a key word during political campaign and if a politician can solve this problem, then that person is considered as a national hero. The most significant fact is that every other sector of the economy depends on the supply of electricity (Awosope, 2014 pg.9)". There are some areas in Lagos that only have electricity supply just once per week and with this shortage of electricity how will the people carry out their daily duties without the supply of constant electricity? They are forced to make use of generator in their various places of businesses which tends to be much more expensive and even making the prices of the commodities expensive because no one will like to embark on a trade without making a profit.

"Seven billion people inhabits on the planet today (Klingholz and Topfer, 2012 pg.4)". "It is said that about 20 percent of the world's population, have no access to electricity at all (Klingholz and Topfer, 2012 pg.16)". Mathematically speaking which means in the world at large one billion four hundred millions people have no direct access to 'electricity' globally. This percentage is really high and most of them are in developing nations of the world.

Every single shops in Lagos has a generator either small or big and every firm in the state has a standard generator to carry out their various daily activities. The use of generator in the state is a major cause of air pollution and noise pollution in the city thereby affecting the health situation of the people and degrading the ozone layer in the environment.

Lack of constant electricity has caused most foreign firms in the state to shut down their businesses and move to other part of the world because the cost of running a business on diesel every day for eight hours are really high which is a great disadvantage for the city of Lagos and its citizens and this in other words create lack of employment for its citizens with no exportation

output from the state. Major leading firms have their headquarters in Berlin only because the infrastructural system in the city is well organized and this does not consume much from them like needing to by a generator to run their business.

Lack of electricity is also a great challenge to hospitals especially for patients with a very critical condition and needs to be monitored on a regular basis. A sudden shortage of electricity in such an environment can lead to death of the patient. The use of generator in hospitals is not good for patients because they need a maximum form of care at that time which is not made available due to lack of electricity.

Most of the street lights at night are not functional due to lack of electricity. The road users only make use of their car lights to see at night and not all road users have a good car light which tends to lead to different forms of accidents. This also give rooms for bad boys in the city to rob people easily at night and get away with it for free. In Berlin there is adequate provision of street cameras which tends to control the city movement and activities and this help to reduce the crime rate in the city.



Figure 31: Use of generator as source of electricity. Date 07 August 2018. Time:11:22 Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=K2BpW87gGtLjsAfW9bC4AQ&q=lack+of+electricity+in+lago&oq=lack+of+electricity+in+lago&gs\\_l=img.3...865712.872920.0.873434.27.23.0.0.0.157.1564.17j4.21.0...0...1c.1.64.img..8.4.306...0i7i30k1j0i7i5i30k1.0.CFg-j7IFBgs#imgrc=LFyxyz3UqksIBM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=K2BpW87gGtLjsAfW9bC4AQ&q=lack+of+electricity+in+lago&oq=lack+of+electricity+in+lago&gs_l=img.3...865712.872920.0.873434.27.23.0.0.0.157.1564.17j4.21.0...0...1c.1.64.img..8.4.306...0i7i30k1j0i7i5i30k1.0.CFg-j7IFBgs#imgrc=LFyxyz3UqksIBM:)

**3.1.5 CONGESTION AND POLLUTION:** Overpopulation is a major cause of congestion. The traffic condition is in a state of dilemma. For example: A person who supposed to resume work by 8am will need to be on the road by 5am in the morning in order for him or her to get to work by 8am because the roads are in a bad condition coupled with this problem of congestion in the state such that everyone is rushing to catch the bus. In Lagos state, a road lane meant for three vehicle, during the cause of traffic, that same road lane will occupy five vehicles because everyone is in a haste to get to his or her point of destination. The transportation routes are also open to all forms of parking which is not proper or someone could just park a dead car on the road which is no more functioning as the dumping ground. Some people are forced to take okada (bikes) to work due to how worst the transportation issues has become thereby spending more on transportation and exposing themselves to a great form of accidental risk on the roads since most Lagos drivers tends to drive with no control as if they just had a bottle of pure alcohol.

Congestion has led to easy spread of diseases especially in slum areas due to the poor conditions of living in those environments such as illegal way of waste disposal, lack of availability of clean water, lack of modern toilet systems and dirty environment.

Houses in the city of Lagos are over congested with people. Three people could just be sharing a single room which is a major problem of congestion and the houses are not usually well ventilated. For example: A bungalow apartments that consist of single rooms for rent and at least two people living in a room, will share toilet and a multipurpose kitchen with other inhabitants in the same house.

Some houses in Lagos today still make use of stoves and woods for preparing their meals which is a source of air pollution. Some areas in the state burns their waste products most of the time because they do not want to pay the monthly disposal fees charge on each household which is another source of air pollution. “Air pollution in the city entails that Lagosians are subject to significant air pollution which tends to public health risks (Olowoporoku, Longhurst and Barnes, 2012pg.481)”. Some notorious people in that state also tends to urinate, dump their waste products on the ground and under the bridges which serve as another means of air pollution. Most of the wastes collected by private firms and the public firms are not adequately treated before disposal which also contributes to the pollution of the environment.

“Year 2007 the World Health Organisation (WHO) conducted a survey on vehicular-derived air pollution in Lagos due to high volume of old imported vehicles which have a great

emission of hydrocarbons (Olowoporoku, Longhurst and Barnes, 2012pg.482)”.Especially the public transportation system are void of regular maintenance of the vehicles and they keep breaking down on the roads while transporting people to their various locations or work place. The low maintenance on these public vehicles tends to create regularly a massive amount of carbon monoxide in the environment which is another source of pollution. There are a lot of vehicles in the city that are due for recycling process but are still been used for transportation of people and also some are personal use.

Noise pollution is very normal for most Lagosians, pollution from cars, generators and bikes are common in the society at large. “The story of Lagos State Waste Management Authority (LAWMA) is not absolutely effective because wastes are dropped anyhow on the highways. The drainage system are blocked and different types of environmental pollution in all parts of the city (Aluko, 2010 pg. 70)”. “Poor air quality tends to increase asthma levels for children (Chapple, 2015 pg.3)”. This tend to put the future generation of the country in high risk of sickness which is great danger to the country as a whole and also incurring much medical challenges to the budget of the state.

The waste management system in Berlin is very effective in such that there is a big container available for proper sorting of item such as paper, glass and others even organic products are sorted out separately for proper recycling process and wastes are not just dumped on the street just like the case in Lagos state.



Figure 32: Congested home in Lagos. Date 07 August 2018. Time: 19:28. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=5MZpW\\_-SC8TzkwW0spWACQ&q=congested+houses+in+lago&oq=congested+houses+in+lago&gs\\_l=img.3...3763173.3770253.0.3771342.28.21.0.0.0.0.240.1609.18j2j1.21.0....0...1c.1.64.img..10.8.588...0i7i30k1j0i7i5i30k1.0.VbZBW39I4jo#imgrc=61nzFEvgqF768M](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=5MZpW_-SC8TzkwW0spWACQ&q=congested+houses+in+lago&oq=congested+houses+in+lago&gs_l=img.3...3763173.3770253.0.3771342.28.21.0.0.0.0.240.1609.18j2j1.21.0....0...1c.1.64.img..10.8.588...0i7i30k1j0i7i5i30k1.0.VbZBW39I4jo#imgrc=61nzFEvgqF768M):



Figure 33: Air Pollution in Lagos. Date 07 August 2018. Time: 19:32. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ItZpW8WPGKrnAfe-rDQAw&q=air+pollution+in+lago&oq=air++in+lago&gs\\_l=img.3.0.0i7i30k1.251523.255288.0.257925.20.10.0.0.0.104.792.9j1.10.0....0...1c.1.64.img..14.5.400...0i8i7i30k1j0i7i5i30k1.0.IE1nxfByjfs#imgrc=MsuRC7ipln6MFM](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ItZpW8WPGKrnAfe-rDQAw&q=air+pollution+in+lago&oq=air++in+lago&gs_l=img.3.0.0i7i30k1.251523.255288.0.257925.20.10.0.0.0.104.792.9j1.10.0....0...1c.1.64.img..14.5.400...0i8i7i30k1j0i7i5i30k1.0.IE1nxfByjfs#imgrc=MsuRC7ipln6MFM) :

**3.1.6 OVERCROWDED SCHOOLS:** “As the population of the urban areas increases, this tends to lead to inadequate housing, poor education due to overpopulation in schools (Aworemi, Abdul-Azeez, Opoola, 2011 pg.140)”. The public schools in Lagos are excessively overpopulated due to the fact that the size of the population and the inadequacy of the government to cater for the needs of the continuous growing population of the city. A single primary or secondary school class in Lagos has a minimum of fifty students in public schools while the classes are suppose just to accommodate not more than thirty students. Students are forced to learn in a very frustrating



environment and the ventilation condition of the building was not originally designed for this crowded population. To make the whole thing worst, lack of adequate power supply in the state does not allow the fans in the classes to function if some of the fans are even in a good condition in the very first instance. Students are forced to come to class with hand fans just to have a little form of comfort during the lectures. Overpopulation in schools and higher institutions lead to the production of poor educational system in the state which impede greatly on the development of the nation both presently and also to the future generation. The government has no maintenance approach for facilities in schools and higher institutions.

Students who live in the dormitories are forced to read with lamps or candles at night due to lack of electricity and during exams, they are also subjected to write exams in an uncomfortable environment. This tends to create a limit in the efficiency and efficacy of each student due to the environment they are located.

The Public universities are the worst. Some lecture halls can contains close to five hundred students at the same time are void of a good sound systems and with a very small chalk board are used to lecture students. The question is how is it possible for students to learn effectively in this kind of a condition? It is not possible because the rate of assimilation of each individual vary significantly from each other. The state government needs to look into these situations to better improve the standard of education in the country. Nigeria as a whole, has a very limited amount of international students coming into the country for studies due to the fact that the learning environment in the country is not favourable.

A typical example is the dormitories in university of Lagos, the dormitories meant for a single student are shared by four students making use of two double bunks and four lockers for their personal belongings and a community bathroom and kitchen. While here in Hochschule Neubrandenburg, students have their personal room and a learning table with constant electricity supply which makes learning pleasing and comfortable.



Figure 34: Congested classroom in Lagos. Date 07 August 2018. Time: 20:02. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ct1pW8u8Gc2ckgWYr6q4Dw&q=public+school+in+lago&oq=public+school+in+lago&gs\\_l=img..3..0i5i30k1j0i24k1.3749.11989.0.13142.37.23.0.5.5.0.90.1448.22.22.0....0...1c.1.64.img..14.23.1211.0..0j35i39k1j0i67k1.0.TIDzIJ48D70#imgrc=7hd9GBHCPOG\\_LM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ct1pW8u8Gc2ckgWYr6q4Dw&q=public+school+in+lago&oq=public+school+in+lago&gs_l=img..3..0i5i30k1j0i24k1.3749.11989.0.13142.37.23.0.5.5.0.90.1448.22.22.0....0...1c.1.64.img..14.23.1211.0..0j35i39k1j0i67k1.0.TIDzIJ48D70#imgrc=7hd9GBHCPOG_LM:)

**3.1.7 URBAN PLANNING:** Overpopulation tends to limit the extent to which urban planning could be carried out because the inadequate prediction of how the state might grow in the next twenty to fifty years. There could only be some possible assumption about the figure, but it can definitely be really more than what was the predicted when the time is at hand. “Urbanization lacking proper control to direct the basic strategy which is necessary to a developing nation in terms of agricultural, industrial, commercial and administrative could lead to a liability (Aluko, 2010 pg.69)”.

Lagos state presently has really out grown any form of urban plans that might have been formulated for decades. The city is presently in need of a new urban plans based on the present situation facing the state and based on the economic capacity of the state to finance such plans. “Sustainable planning is simply the possibility to meet the present day need of the people without affecting the needs of future generations. Sustainability is seen to be significant when it is carried out through local initiatives with global significance (Ilesanmi, 2010 pg.242)”. The challenges facing a particular region might not be the same with another region and the development techniques used in providing solution for one region might also differ from the other. There is need for thorough study of the region of Lagos in order to come out with a tangible result suitable and adaptable for that environment. For an effective planning in the state, there is a great necessity for demolition and reconstruction of some areas in order to achieve a long term planning approach also for the benefits of the generations yet unborn.

The roads in the city are in a bad state and there is need for restructuring and proper inter-connection between them to avoid the problems of excessive traffic situation in the city. The drainage system in the city are not in a good condition such as they are not well covered, they tend to get blocked some times and some areas in the city does not have a drainage at all. These are part of the things that needs to be considered in an effective urban planning design.

Berlin is a city where most individual's would want to live, the system of the city planning is well developed in such a way even thirty years from now it has the capacity to maintain its growth and provide efficiently for the people living in it.

**3.1.8 LAND APPRECIATION:** Land acquisition to someone or a company could either be through the state government or bought independently from a private owner. "Land scarcity in the state has been aggravated due to the small land area of the state and having a water body of 22% covering the total land area with continuous population increase. Several steps has been taken in reclaiming land from the lagoon, these area covers 6000 hectares or 1.65% of the total land area in Lagos state (Aina et al,2004 pg.591)".The scarcity of land in Lagos state now has made every single plot of land for acquisition now very expensive. The continuous growing population has appreciated land value in the state which cannot be acquired by the middle age class except for the rich. This has really created a marginal gap between the rich and the poor which is not good for a developing country so as to maintain economic equilibrium in the lives of its citizens. This continuous appreciation of land tends to limit the rate of development which the land could be effectively put to due to the economic situation of the nation.

**3.1.9 BEGGARS:** Overpopulation in the state has turned some people to street beggars due to the fact that they could not get a job. There are different ways which people tends to beg in the city today such as street begging, begging among friends and also begging in an environment where an event is taking place.

Beggars are everywhere in the world even in Berlin there are some beggars in the city especially people from the middle east tends to beg in some part of the city. They could be easily noticed as beggar but the case in Lagos, sometimes it cannot be easily detected due to the way the person dresses and the manner of approach.

“In the country, begging can be seen as a major problem. The existence of beggars along the high ways these days contradicts social, political and economic changes which as a result of rural to urban migration (Yusuf, Bello Ahmed et al, 2012 pg.115)”. They beg most of the time along the “high ways” during traffics and along the corners of highly busy areas in the city especially the central business districts and this is how these sets of people survive every day of their lives. It was previously foreigners that are generally known as beggars in Lagos state, but presently it has become a normal habit even some Nigerian now.

**3.1.10 ADMINISTRATION:** “Lagos state is confronted to a great administrative problem, inefficient coordination in planning and allocation of investments. The administration system in the country is not effective and they are also not financed properly as it ought to be. It is really cumbersome to plan, execute budget and effective resource allocation in the state (Aluko, 2010 pg.69)”.

A state of this huge size would definitely have a great administrative problem because of the overpopulation facing the state such as inappropriate allocation of funds to the right sector, problem of prompt supervision of the work carried out at any giving point in the state, proper control of taxes collected from the citizens due to the fact that Nigerians do not have what is called in German *Steuernummer* (Tax identification number allocated to each individuals) therefore allowing a lot of people who are supposed to be paying tax and getting away with it by not paying the tax. The system of tax control in the country, the government official pay visit personally to the various shops and ask for their tax payslip that is a paper which shows a confirmation of payment. This process tend to show that the level of digitalized record in the state is not yet advanced enough to where it ought to have gotten to in order to called a mega city. Berlin for example, every legitimate individuals living in the country have a tax identification number. The taxes tends to be deducted automatically on the bases of salary earners because before anyone is allowed to get a job in such a city, the person tax identification number must be provided.

Some projects in the state of Lagos tends to take a longer time than the stipulated time of the project prior to commencement which is basically based on the quality of administration of such a project. A project could be stipulated for three years which will eventually last for a duration of seven years before been fully completed in the state.

Most advanced nations in the world today are able to attain this position due to an effective administration culture which will be also of a great advantage to Nigeria if its administrative techniques could be improved both at the federal and state level.

**3.1.11 HIGH DEMAND FOR GOODS:** “Speedy population growth can hinder the availability of resources either in terms of absolute amounts or the level at which new materials can be made available(edited by Caldwell, 1975 pg.5)”. The continuous increase in the population of Lagos tends to impose a high rate for the needs of Goods up on the people and the state at large. This has a great implication on the economy of the state by requiring high amount of importation of goods in order to cater for her needs thereby reducing the economic value of the state such as the money which is supposed to be used for internal development is been converted to foreign currency to cater for its citizen’s needs.

The importation rate is really high in the state and it can be said, Lagos state has become a dumping ground of some products which are not really useful in some other developed country of the world. For instance: There are no car manufacturing company in Lagos but some renown car industry only have car assembly station in Lagos and in other states and no technological skills are available in the country in order to have her car trade mark and the cost of acquiring new cars in Lagos are really high so the country and the state is subjected to the importation of used vehicles from other industrialized nations of the world. As worst as this situation has gotten to, Lagos state also import used tires and these tires already have a particular life span of use which puts a great amount of Nigerians lives in danger on the Highways because the public transporters will never change their car tires naturally until it get totally busted on the way or beyond the state of repair.

Germany as a whole depends so little on the importation of goods and services. They are one of the world top most producers of goods which enable the country to generate a lot of foreign income for the growth and development of the nation at large.

To get good quality clothes in the state and at cheap prices, the person is subjected to buy used clothes and shoes which are basically imported from other nations of the world into the country. Due to this high demand of goods in the state, the richer Nigerian that are into various businesses tends to go to china and import inferior quality products into the country in order for them to sell fast and make good profits because that is basically what the people in Nigeria can afford to buy such as china phones, clothes, shoes, electronic gadgets, house hold equipment’s,

construction materials and many other more. The problems of overpopulation has a very high impact on the economic development of the state.

**3.1.12 CRIME:** A city with a large population definitely attract a high number of crime rates. Overpopulation in Lagos state has really made the city full of criminal activities such as robbery, pick pocket and high level of insecurity. “Prowess can only be achieved when there is safety and security and there is no any other place in Nigeria that has a more crucial problem of security than Lagos. There is high occurrence of robbery, violent crime, assassination attempts, carjacking, riots, vandalisation of pipelines and other installations, and area boys sometimes girls (Filani 2012 pg.38)”

“Over the years, the rate of crime in the country has been on the increase which are efficiently carried out with precision. The urban crime rate in Nigeria today has really become a social problems facing the country. The criminal activities and violence in urban centres are really threatening to lives and property which tends to reduce the quality of life in the country (Ayoola, Adeyemi & Jabaru, 2015 pg.2)”. “The rate of crime in the country has reached inadmissible level (Ayoola, Adeyemi & Jabaru, 2015 pg.3)”.

Most houses in Lagos state has two doors which are the normal door and a metallic iron door which serves as a security measure to the inhabitants of that house or flat. The wall fences are fenced with electric wires, sharp metallic wires or broken bottles cemented with mortar for those who are not excessively rich.

Groups of individuals could just go to a particular house in the middle of the night and rob rows of flat at once. This has led to a state whereby the police could not effectively handle the security of the citizens in the state due to this problem of overpopulation.

The so called ‘area boys’ in Lagos state are in groups with different names. Each zone in the state has a particular group of area boys with a name assigned to the group and most of the time has a tattoo on their body that tends to signify the group they belong to. Occasionally, they tend to have clashes between themselves and the usual causes of these clashes are money, power and girls which normally result in a very mass numbers of killings and the government has nothing to do about this epidemic situation. A lot of valuable lives are lost in the process both innocent

people and those who are not innocent. It sometimes results into an open air gun shots and the police in the environment would not even do anything about it while the action is on.

In Berlin, it is a great crime for an individual not to obey the traffic law which can lead such an individual losing his or her driver's license or pay a fine but in Lagos, traffic laws are generally seen as waste of time especially by the public bus transporters, they create absolute chaos on the road. Fines are also levelled in Lagos if caught by the road task force, but most of the time people get away with it by giving bribe to the officer and that is why traffic law is not holding a valuable ground in the state.

From the table below, it can be seen that Lagos state has the highest level of crime rate in the country with a percentage of 36.08 and the total number of cases of 45,385 in the year 2016. The rate of crime in the state is at a progressive increase which must have been much higher today.

# Appendix

CRIME STATISTICS: Reported Offences by Type and State 2016						
STATE	OFFENCE AGAINST PERSONS	OFFENCE AGAINST PROPERTY	OFFENCE AGAINST LAWFULL AUTHORITY	OFFENCE AGAINST LOCAL ACTS	TOTAL NO OF CASES 2016	% Share of total cases
FCT	1,984	9,350	843	4	13,181	10.48
ABIA	230	113	21	0	364	0.29
ADAMAWA	779	1,417	96	7	2,299	1.80
AKWA-IBOM	840	333	131	6	1,411	1.12
ANAMBRA	898	1,413	141	81	2,534	2.01
BAUCHI	812	1,713	118	14	2,657	2.11
BAYELSA	612	837	91	1	1,542	1.23
BENUE	463	497	0	129	1,089	0.87
BORNO	423	479	3	269	1,174	0.93
C/RIVER	1,134	1,354	100	35	2,423	1.93
DELTA	3,911	2,502	1,202	152	7,867	6.25
EBONYI	572	595	44	0	1,211	0.96
EDO	697	307	0	0	1,004	0.80
EKITI	718	1,008	103	0	1,829	1.45
ENUGU	886	1,094	124	0	2,104	1.67
GOMBE	513	1,350	19	156	2,238	1.78
IMO	954	873	103	0	1,930	1.53
JIGAWA	321	214	37	74	646	0.51
KADUNA	338	501	119	37	1,006	0.80
KANO	1,981	2,375	318	143	4,917	3.91
KATSINA	51	65	4	0	120	0.10
KEBBI	656	370	21	108	1,155	0.92
KOGI	294	480	17	7	798	0.63
KWARA	327	614	21	11	984	0.78
LAGOS	15,426	22,885	6,768	306	45,385	36.08
NASARAWA	489	725	14	91	1,320	1.05
NIGER	518	1,083	53	105	1,760	1.41
OGUN	1,111	1,111	145	0	2,379	1.89
ONDO	1,037	1,934	521	1	3,493	2.78
OSUN	258	540	57	332	1,188	0.94
OYO	1,377	1,752	114	0	3,443	2.74
PLATEAU	470	1,938	145	0	2,553	2.03
RIVERS	1,683	897	271	143	2,994	2.38
SOKOTO	496	1,055	29	0	1,580	1.26
TARABA	719	998	55	45	1,817	1.44
YOBE	398	520	18	8	944	0.75
ZAMFARA	157	303	6	17	483	0.38
<b>National</b>	<b>45,554</b>	<b>65,397</b>	<b>12,144</b>	<b>1,695</b>	<b>125,790</b>	<b>100.00</b>

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Crime Statistics: Reported Offences - 2016

Figure 35: (Crime Statistics: Report Offences 2016 pg.41) Web link: <file:///C:/Users/ephrem/Downloads/Crime%20Statistics%20Reported%20Offences%20-%202016-min.pdf>



## **4.1 POSSIBLE SOLUTIONS TO OVERPOPULATION IN LAGOS STATE**

According to “(shelly, 2015 pg.82) Globalization is the growth in production, distribution and exchange of people, goods, services, capital and ideas around the world”. There is a great need of globalization of every states in Nigeria which will tend to reduce the pressure of overpopulation in Lagos state.

“Lagos has a vision of becoming an investment hub in Africa become a point of focus to represent urbanization to other nations in the continent (Heinrich Böll Stiftung (Nigeria), Fabulous Urban (Switzerland), 2016 pg.10) this can be made possible if the following solutions can be implemented by the government in the state. The resources for the implementation are available only if the problem of corruption can be tackled first then the nation as a whole would be able to have a comfortable livelihood and provide better future for coming generation.

“Population census is carried out in Nigeria once in a decade (Eneyo and Uffia, 2013 pg.261)”. This is really a long period of time and every year the statistical budget of the nation will be working with a population result that is really old. It will be more efficient if the population census could be carried out once in every five years for more accuracy in planning and allocation of resources.

“Under development is when resources are not fully utilized the way they are supposed to be used which leads to slow development process (Eneyo and Uffia, 2013 pg.263)”. This is the main reason why the solutions below are suggested for the improvement of the present situation of things in Lagos state.

**4.1.1 CORRUPTION:** This has been a disease to the nation at large for several decades now. When an individual has a disease, he or she needs to visit the doctor in order to receive the necessary treatment for such illness before he or she can feel better and able to move on in life. This disease of corruption must first be tackled in Nigeria. When this has been efficiently handled, this will enable easy implementation of every other factor that can ease the cause of overpopulation in Lagos state. A typical example is the nation of Ghana, Ghana once faced this problem of corruption which serve as a great hindrance to the development of the nation but how where they able to tackle this issue? They eliminated all the corrupted leaders in the country and today Ghana

has a favourable living condition and the citizens are living well to some standards. They have a very good facility such as roads, constant supply of electricity and good educational system.

The government should pass a law into the constitution of the nation stating ‘Any government official (starting from the highest rank to the least ranked individual) found stealing public funds will be executed instantly with no trial’. This law is the cure to the disease of corruption in the nation Nigeria. With this law fully enacted and been practiced on some few individuals, corruption will vanish from the system totally in few months because people will have to think deeply before they try to embezzle government funds if they are caught and the consequences. A lot of corrupt politicians has been ruling the nation for a very long time and has hindered the nation from advancing. They need to be eliminated in order for the nation to advance and grow.

When corruption has been fully tackled, this will enable resources to be allocated in the appropriate position which will culminate in the development of different parts of the nation thereby reducing the cause of overpopulation in Lagos state.

**4.1.2 AGRICULTURE:** Most advanced countries in the world today use what they have to improve and better their economic system and the whole nation at large. Agriculture has been part of the root of the nation’s history and if effectively adopted and efficiently monitored will push the country to next level as been one of the ruling economic nation in the world.

No matter how poor a person might be and the number of problem a person or a nation might have, food is like petrol in a vehicle which means without it, the vehicle cannot function so is the same to all humans on the face of the planet. Everyone needs to eat. Concentrating much strength in the development and rehabilitation of this sector will suddenly change the level of the nation.

“Green revolution is the input of technology directed towards agricultural production. The main aim was to make famine much easier and feed the need of a population growing at a much more rapid rate (Shelly, 2015 pg.94)”.

Nigeria as a nation has a very fertile soil and a favourable climatic condition which hastens fast development of agricultural products. Introducing the use of modern machinery to this sector will save time, man power and also increase the production of goods and these commodities will

be sold locally and internationally. The international trade of agricultural products will yield foreign currency which can be used for the purchase of more machineries and at the long run when the system is fully stabled, these foreign currencies can now be channelled down to internal developments within the nation at large in terms of better infrastructural facilities and creation of more jobs opportunities within the nation. This agricultural sector alone can provide millions of Nigerians with a lot of job opportunities. Each geographical region in the country could be sectored to a particular group of production based on the seasonal requirements of the goods been produced. This sector can also produce raw materials that can be further processed in the industry into different types of finished products which could also be consumed locally and also internationally.

The automobile industries in the world presently are trying to shift away from the production of diesel and petrol vehicles due to much emission of carbon monoxide into the atmosphere which in turn endanger human health and the ozone layer. They are developing vehicles that makes use of electricity which means in few years' time to come, there would be no market for crude oil which is the main place and source of money generated by the Nigerian Government. It is of a great importance to the nation at large if this agricultural sector of the nation could be developed and monitored effectively.

This sector will stop the movement of migration in the country which will in turn make the population of Lagos state to fall since most people are only in Lagos in search of a better livelihood. This will also tend to bring a lot of development to the rural areas in the country by availability of basic facilities such as good road, electricity and provision of jobs.

**4.1.3 HOUSING AND GREENERY:** “The development of slums and informal settlement occurs due to the inability of the government to provide housing (Heinrich Böll Stiftung (Nigeria), Fabulous Urban (Switzerland) 2016 pg.17)”. This has been a major hindrance to most Lagosians which is time for the government to look critically into this sector. The government should eradicate the slum areas and construct multiples storey buildings in blocks of flats ranging from a two bedroom to three bedrooms. Each building should consist of at least ten storey building which the underground would be used as a parking space to be able to curb the continuous growth in the city. This construction process should mostly make use of locally available materials in the country in order to save cost on foreign imported products such as doors, roofing materials and other

interior design materials. Most developed countries in the world try as much as possible to reduce the extent of importation into their countries.

The government should also make the houses affordable both for purchase and for renting. This will attract the population toward these houses because people will see that it has all the necessary facility and it's also cheaper than other houses in the state.

Lagos state has a favourable weather, which means the introduction of solar panel as a source of power supply is the best solution presently for the generation of energy at every given point in time.

Due to the deficiency of adequate green areas in the state, these houses should be implemented with green roofs which is very important way to save the city from lack of adequate green area which has numerous benefits both economically and environmentally. It also tends to minimise noise and air pollution in the society at large. Green roof is defined as “a light weight, layered systems that cover conventional roof surfaces with growing medium and plants which require just little maintenance (Katrin Scholz-Barth, Manfred Koehler et al, 2005 pg.16)”. This indicates the fact that this beneficial plants which contributes immensely to human environment does not consume resources that much but with better benefits.

“Greenery in urban settlements tends to enhance the quality of life for urban dwellers, decrease stress and create space for relaxation (Katrin Scholz-Barth, Manfred Koehler et al, 2005 pg.20)”. Stress is the mother of anxiety which in turn create an unsafe or uncondusive environment for human. The stress level of those living in Lagos are always high whereby introducing this system to the buildings will help minimise the level of stress in the state and projects the life span of the people.

“The materials used in the construction of green roofs are waterproofing membrane, roof barrier, insulation, drainage layer, filter fabric, growing medium and plants (Katrin Scholz-Barth, Manfred Koehler et al, 2005 pg.134)”. The green roof is not a tedious construction process and also very efficient to manage and sustain.



Figure 36: Source: Green roofs: Ecological design and construction (Katrin Scholz-Barth, Manfred Koehler et al, 2005 pg.50)

The roof is been placed with multiple benefits both the use of solar energy and green roof for the comfort ability of the occupants in the building. “Greenery on buildings has several advantages which are intake of carbon dioxide, absorbs noise pollution, reduce air pollution, keeps the building cooler and beautify the building (Turner, 1996 pg.97)”.

The interior parts of the building such as the living room and the balcony can also be mixed with some plants which help to reduce interior air pollutants.

Due to the shortage of water in Lagos state, rain water recycling techniques can also be installed together to these buildings. Lagos has a high amount of rain fall yearly and mostly these water are flushed down to sewage system that can be efficiently recycled and reused effectively. The rain water can be used for washing dishes, WC in the bathrooms and for other outdoor purposes such as washing of car and cleaning the environment.

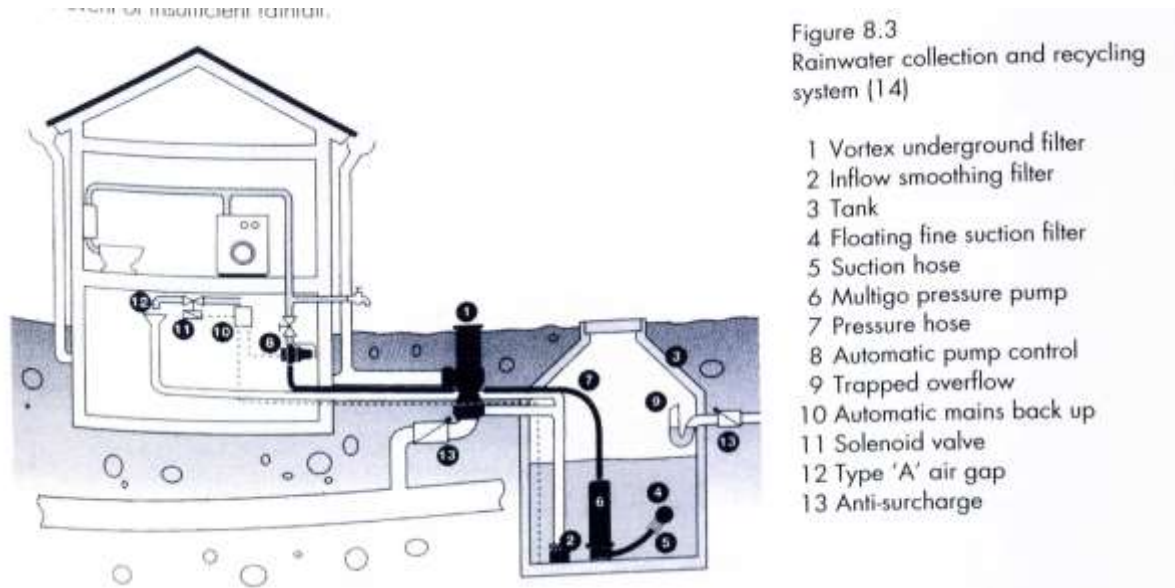


Figure 37: Sustainable urban design: An environmental approach (edited by Randall Thomas, 2003 pg.97)

Other forms of used water could also be channelled down through pipes to a central station for proper recycling techniques which can then be further reused. “Grey water known as all forms of waste water from domestic pipes but excluding toilets (edited by Randall Thomas, 2003 pg.96)” which could be processed to remove the impurities in it.

“It is necessary to know a part of a project to transform and how (Ruddick,2016 pg.46)”. In the state, Most buildings are left just as they are been built with a very low maintenance culture. The government should make it compulsory for all building owners to carry out renovation on their building at least once in every two years such as painting the whole building. This will help in beautifying the city to some extent.

**4.1.4 TRANSPORTATION:** “90 percent of the transportation system in the city is based on road (vehicle transportation) (Heinrich Böll Stiftung (Nigeria), Fabulous Urban (Switzerland) 2016 pg.67)”. Most industrialized nations in the world today has various means of transportation in their urban districts. The public transportation system in the city needs to be eradicated such as Danfos, Keke marwas, Okadas and Moluwe.

“Sustainable transport can be defined capacity to meet the need of the present without affecting the need of the future generation to achieve their own goals (edited by Randall Thomas, 2003 pg.26)”. Lagos transportation system can further be implemented with the introduction of an effective train system such as the S-bahn, U-bahn and Trams as available in Berlin. The

interconnection between Lagos mainland and the Lagos Island is only possible through the third mainland bridge (a single bridge connection from the mainland to Island). The development of train system in Wuppertal Germany (suspended train) will help reduce the traffic situation on the bridge and also convey a significant amount of people at the same time having a magnificent view to Lagos Lagoon and high skyscraper buildings across the Island.

The road system in the city need to be re-planned for adequate linkage and connectivity between each other for easy movement at any given point in time. Urban traffic system need to be installed at all main roads in the city. The use of solar panels can be used to power this traffic lights for efficient functionality in order to avoid power outage which might lead to great accident on the high way. Speed detection cameras should also be installed together with these traffic lights for those who might want to break road traffic laws and a huge fine should be levied on the owner of such vehicle which will help to put in some forms of orderliness on the road transportation and reduce accidental risks in the state.

Traffic signs should be placed at delicate junctions so as to enable road users to have better understanding about that particular junction they are located at that particular time. Some street lights in the state are power by solar panel which is not enough and it is of great importance if every street lights in the state could be powered by solar panels and maintained for sustainable use.

It is very common for people in Lagos state to dispose their waste on the road while on motion such as yogurt packs, nylons from food products which literally makes the city dirty and this needs to be stopped. More awareness about this practice needs to be broadcast more often on the TV and Radio stations about the implication and public waste baskets should be made at strategic points along the road to avoid people from dropping waste anyhow on the road. These baskets should be labelled accordingly for proper recycling techniques.

Maintainability is very important to any sustainable transformation. It is very difficult to see a bad road in Berlin due to the fact that the government pay adequate attention to the maintenance of the road. This same approach of maintenance should be implemented in Lagos state. If the roads in the state are in a good condition, this will also reduce the traffic congestion problem in the city.

As a means to reduce the use of vehicles in the state, which also tends to reduce the amount of Carbon monoxide discharged daily into the atmosphere, the construction of a bicycle lane along the road side will be of a great advantage which tends to keep the people fit and also help to

minimise the cost of transportation from one point to another in the state. Most Lagosians both old and young does not really care about body fitness which makes a lot of people look much more older than they really are. But what they really care about is how to make money, with this introduction of bicycle lane will keep people in a healthy condition and also reduce the amount of noise generated from the roads.

The roads that connect different states together should be placed in a very good condition for easy movement of people and goods which in turn promote inter-state trades and enhance economic growth of the country at large.



Figure 38: Skyscrapers in Lagos Island. Date 09 August 2018. Time: 14:32. Web link: [https://www.google.de/search?q=lagos+island&source=lnms&tbn=isch&sa=X&ved=0ahUKEwi6wIHP-t\\_cAhXO16QKHbHTBnQQ\\_AUICigB&biw=1151&bih=466#imgrc=ELUF6LZeGsS4xM:](https://www.google.de/search?q=lagos+island&source=lnms&tbn=isch&sa=X&ved=0ahUKEwi6wIHP-t_cAhXO16QKHbHTBnQQ_AUICigB&biw=1151&bih=466#imgrc=ELUF6LZeGsS4xM:)





Figure 39: Recycling baskets. Date 09 August 2018. Time: 14:27. Web link: [https://www.google.de/search?q=recycling+baskets&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiE5ffP-9\\_cAhUNMewKHRNBB1MQ\\_AUICigB&biw=1151&bih=466#imgrc=TEcM1SjC6U6AHM:](https://www.google.de/search?q=recycling+baskets&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiE5ffP-9_cAhUNMewKHRNBB1MQ_AUICigB&biw=1151&bih=466#imgrc=TEcM1SjC6U6AHM:)

**4.1.5 URBAN PLANNING:** “Complexity is one of the great problems in environmental design (Turner, 1996 pg.21)”. This is why it of a great importance for planners to carry out rigorous research on how to make the new design plan sustainable for severable decades still to come in Lagos state.

“Modernized urban planning requires three basic approach which are make the city better, Healthier and more functional (Turner, 1996 pg.5)”.The urban planning of the new Lagos state should be planned in such a way that it can be edited even over decades and there should be an integration between the city and nature to produce what can be called urban forest which is simply the combination of the city and the natural environment. What should be considered in the planning stage are residential sector, industrial sector, market place, central business districts, educational

sector, recreational sections located strategically within the state, greenery such as trees and green fields.

“Landscape comprise not only of trees, lawn and shrubs but also landform and ecosystems. The importance of the figure below is it creates a balance system between the city and nature, relieves environmental pressure and mental relief of the inhabitants in the city (edited by Randall Thomas, 2003 pg.33)”.



Figure 40: Sustainable urban design: An environmental approach (edited by Randall Thomas, 2003 pg.33)

The roads in the city should be amended for the accommodation of modern rail way lines which serve as a means of conveying multitudes of people at the same time.

The previous Governor Baba Tunde Radji Fashola of Lagos state initiated planting of trees in the state which was not totally successful due to lack of adequate care by the people led to the death of most trees planted. Some survived while some did not survive. The best solution to this problem is trees that have been grown somewhere safe and is already matured and can now be planted on site directly (tree nursery). This type of planting have the advantages of immediate beautification of the city, survival of the trees and it also serve as human shelter. Tree maintenance team should also be put in place until these trees are fully grown to sustain themselves.

The implementation of greenery in the city can help reduce the radical behaviours of some Lagosians in the state thereby creating a more peaceful environment which is conducive for human living. “People living in an environment full of trees have less tendency to display violent behaviours, be depressed or abuse of drugs. Trees along the road also have a positive effect on driving attitude on the road (edited by Randall Thomas, 2003 pg.35)”.

“Transportation planning needs to consider different land uses, socioeconomic characteristics, population densities and availability of cars into consideration (Chappel, 2015 pg.94)”. With this been properly put in place in the planning process, this will enable good use of the motorways and less traffic issues.

**4.1.6 RECYCLING:** “sustainable city is one that keeps moving progressively by making use of every available resources economically, avoids waste, recycles where possible and adopts strategies that produces fruits in the long term (Turner, 1996 pg.91)”. This is a major component of a sustainable environment and most industrialized nation of the world make use of this technique very efficiently which Germany is not exempted from this. The recycling system in Germany is mind glowing in such a way that it is efficiently organized and managed with all sense of value. Offices, schools and homes all have an effective way of recycling. A typical Berlin resident has a recycling technique in his or her apartment where bio products are placed in a separate bin, papers in a separate bin and bottles in a separate bin which are later sorted out in in a bigger container at the backyard of the building. This system makes it very effective in the use of these resources for further production and creates less waste and pollution in the environment. The recycling team has a schedule of how they come around to each household and collect these materials from the various homes which leaves no room to such a point that these wastes becomes a nuisance to the environment where they are found. Most public area in the city of Berlin like the bus stations, train stations and recreational centres also have different recycling containers for different products.

The city of Lagos state has a poor recycling system in such a way that every household drop their waste products together bio, paper, bottles are all in the same container which provides no room for recycling of products. But there are some individuals that feed on recycling such as metal scrap, plastic cans which they sell to recycler for money but the government does not have major recycling system for the state or it is still in the developing stage but not fully in operation. The consequences of lack of adequate recycling techniques in the city are narrated in the table below.

**Table 2.0 Sources, Pathways, Emissions and Potential effects of Waste Management Methods**

Source (Waste disposal method)	Emission (s)	Pathway (s)	Receptor (s)	Potential Effects	
				Human	Environmental
Landfill/ Waste Disposal Site	Dust, odour, micro-organisms, litter, landfill gas (LFG) – CH <sub>4</sub> , CO <sub>2</sub> , and numerous trace compounds) Exhaust gases from combustion of LFG (including CO <sub>2</sub> , CO, NO <sub>x</sub> , SO <sub>2</sub> , and other trace components	Air emissions of materials directly from landfill during tipping, compacting, covering and storage activities. Emissions to air, of LFG combustion	Nearby sensitive receptors in the vicinity of the landfill site; nearby sensitive habitats	Potential for exposure to a variety of harmful materials which have been investigated with connection with birth defects, asthma, respiratory diseases and cancer	Potential for soil acidification due to deposition of acid gases, increase in soil metals, vegetation damage due to NO <sub>x</sub> and SO <sub>2</sub>

Figure 41: Economics of Solid Waste Management in Lagos State, Nigeria (Ibiyemi, 2008 pg.5) web link: <file:///C:/Users/ephrem/Downloads/WASTEMGTPAPERpdf-signed.pdf>

It will be of a great advantage to the city of Lagos if the recycling techniques practiced in Berlin as stated above can adapted in the state. This will reduce the negative consequences of bad recycling impact in the state and also promote the economic integrity of the state. The use of different recycling bin should be placed on the road and labelled with different coloured and materials displayed on these waste bins for proper identification by the people. The state government should create a recycling plant where these materials could be recycled for economic use and development.

Sanitation is been carried out once a week in the state, this day can be a day where the recycling team comes around and collect recycling materials strategically positioned to different geographical zones in the state.

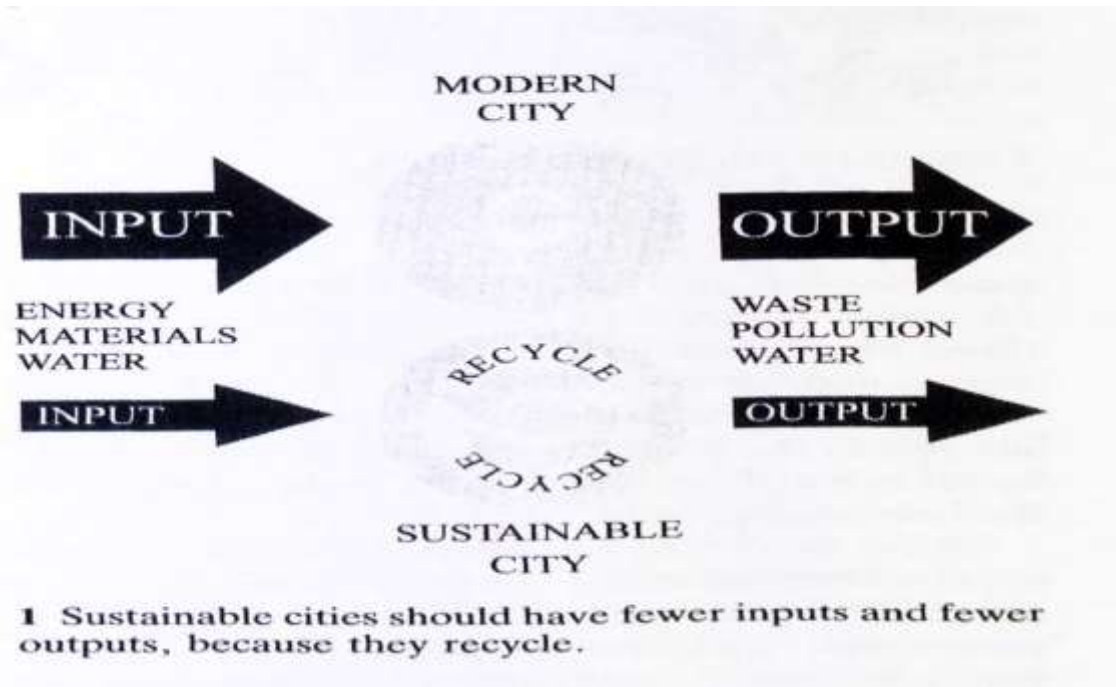


Figure 42: City as Landscape. A post-postmodern view of designing and planning (Turner, 1996 pg.91).

**4.1.7 RE-GROUPING OF INDUSTRIES AND PROMOTE INDIGENOUS INDUSTRY:** It is believed that most industries in Nigeria have their base in Lagos state which is one of the vital cause of overpopulation in the state. If some of these industries could move to some strategic location within the country (North, East, South, West) based on their production and the availability of their production materials, this will go a long way in reducing the population in the city of Lagos state. Because their workers will be forced to move to the new base and it goes a long way to affect the new state where they relocate to positively both in development of such state and creation of job opportunities for people living in that state.

A typical example of this technique is Germany, most of the industries in the country are not located only in Berlin but it is evenly decentralized to all parts of the country which allows uniform growth among the states economically.

Indigenous industry is having a great challenge due to over dependency on foreign produced products been imported into the state and lack of government support to help people with adequate skills who are willing to start something on their own but lack the resources required to initiate the process. It is of paramount benefit to the state and the nation at large if the government can support the indigenous industry with the resources required and reduce importation of some commodities which are produced locally, this will increase the economic productivity of the state,

reduce the conversion of local currency to foreign once for the purchase of goods, create more jobs for the people within the state which in turn reduce the cause of unemployment among the youths.

**4.1.8 RESEARCH INSTITUTES:** The state government in collaboration with the federal government should invest more on research. Create some special research teams whose jobs are to carry out studies on how the situation of things can be made better in the country at large. Most developed nations today invest heavily on research which is also the secret to the advancement of these nations.

The research area should focus on indigenous products, how they can be better developed into an international entity, local materials uses, economic development strategies, health, conservation of natural habitat, implementation strategies to the present challenges and how to attract foreign investors into the country. A country with a small amount of research institutes is limited to innovations and advancement which is a major problem in most developing countries of the world today (Lack of research) based on the challenges facing their environment. These institutes goes a long way in local development and international awareness of such a nation based on the outcomes which can be produced from their researches. Research institutes can better the economic, educational, social, medical and technological welfare of a nation.

Berlin has a lot of research institutes that are always making new discoveries which has been a leading edge of the city in terms of new innovations in areas of technology and development of the city. These institutes propel the city to maintain its international stands compared to its counterparts cities.

Most valuable discoveries in the world today came to existence through intensive research which have left a mark for generations to come. Any nation seeking solutions to the problem facing it has to engage in serious research in order to find the necessary solutions to the problem at hand.

**4.1.9 JOB AND ELECTRICITY:** Nigeria has been supplying electricity to some other West African countries in order to generate income. These resources goes into the pocket of corrupt politicians. These supply of electricity to other nations should be stopped by the government because there is power shortage in Nigeria, this power sold to outsiders should be used to improve

the existing problem of power shortage and new development techniques of generating energy should be used to support where there might be lack or inadequacy in the power supply.

These new techniques should include generation of power through the solar energy on a bigger scale (solar panel and wind energy). These techniques goes a long way to eradicate the use of generators for electricity supply, minimise noise pollution and minimise the discharge of carbon monoxide into the environment which are harmful to humans.

The stability of electricity in the country will attract foreign investors back to the country leading to more jobs creation in various parts of the nation and some people will be tempted to move out of Lagos state which in turn reduce the population of the city. This will also improve the effectiveness of local industries in the state for better production.

The money used by the individuals before for the generation of electricity through the use of generator can be diverted to more important things. For example, if a particular household spends 20 thousands naira on generator fuel per month, and there is now constant supply been provide by the government in the state, such household can just be paying an equivalent of 10 thousands naira to the government for the consumption of electricity monthly which serve as more revenue to the power sector and such household is also able to save 10 thousand naira monthly for other personal needs (which means that both parties are both gaining from each other).

The use of electrical cooker will increase and this will also reduce pollution produced from stoves and woods which are used by most people as means of cooking in the state.

The availability of constant electricity will also improve the health system of the nation by reducing noise pollution in such an environment, reduce also the charges of treatment and save people lives since most operations in such an environment makes use of electricity.

Since most companies in the state formally carry out their activities with the use of industrial generator which in turn increase the cost of the commodity been produced to the market at large, the implementation of these constant electricity supply will reduce the prices of commodities in the nation.

It can be said crime mostly takes place in dark environment and if this sector is fully functional, the crime rate in the city of Lagos will reduce marginally. The constant availability of electricity in the nation has a lot to offer economically, socially and environmentally.

The government should create much awareness to the society on how to be self employed by creating school of entrepreneurial skill acquisition and making it free for the youths. This will

build up confidence in some people to start their own personal trade which also will reduce the influx of people to Lagos state. Assistance should be made available to those who want to start up a business but lack the necessary capital to start up such a business.

Nigeria is a land rich with crude oil and this crude oil is basically located in Niger Delta region, but lack of sufficient refineries in the country has led to exportation of oil abroad to be refined and later imported back to the country for use. The creation of sufficient oil refineries in the country will create more jobs opportunities for the people and which means the concentration on Lagos as land flowing with milk and honey will be reduced. This will also reduce the price of these petroleum products.

“Nigeria can be said to be poor in terms of capability but not in terms of natural resources. The challenges might be governmental policy, depending mostly on the crude oil sector and lack of potential to develop other resources, specially the minerals which are available in many parts of the country (Eneyo and Uffia, 2013 pg.261)”.Nigeria is blessed with abundance of mineral resources. If research institutes stated above can carry out adequate research on how these resources could be converted into various kinds of finished products which the world is in need of (exportation) and the government is ready to invest heavily in these areas, Nigeria will emerge among the best countries in the world in less than three decades. “(Exportation has been seen as the economic power point of Germany (Chapple, 2015 pg.197)”.

**4.1.10 EDUCATION:** Education is an eye opening to the blind, it makes a person to think, plan and takes appropriate steps in order to achieve once goal in life. The government should make at least secondary school education compulsory for all the youths in the state. This will create more awareness on the dangers of unwanted pregnancy, the consequences of early marriage and proper awareness of family planning which will tend to control the population growth in Lagos state in the future. Education will also reduce the so called area boys in the state of Lagos who are mostly youths with no direction in life and they do not care about their future. Education is accompanied with civilization and orderliness which in turn bring peace to the state and less crime in the city. Education is accompanied with development, this also will help to build up the productive capacity of the state in all fields of endeavours.



Educated people in the state are mindful of the consequences of having many kids, the problem are basically found among none educated which with this implementation policy will go a long way to help the future generation.

The government should also invest more in the educational sector by making education lively and easy to get by providing the necessary amenities needed in schools such as availability of more books, well trained teachers, school bus transportation and comfortable learning environment. The creation of opportunities for students to participate in international competitions and rewards would stimulate students to read more and discover more on their own.

There is need of more practical practice of what is been taught in class. The educational system in the country is more based on more theory than practical. There is a great need of equilibrium in both aspects. What someone see with the physical eyes tend to stay longer than what someone just read in a book.

Civilization is in stages and is also a progressive movement from one generation to another. The educational system in the state should be in trend to the modern technological system of education used in other developed countries of the world and not dwelling on 1990's system of education in 2018. For example, the use of modern day software's programs and the exposures to new innovations and inventory available today should be made known in the educational system of the state. This means the curriculum systems of education needs to be revisited for some changes For better improvement.

**4.1.11 FAMILY PLANNING:** It is of a great importance for the government to create more awareness on family planning to the society at large and also making the consultation free of charge because if it requires more spending on the individual, Nigerians will not go near it. Special training can also be organized in large stages from time to time about this for proper awareness and the use of contraceptive measures. This will help to reduce the amount of birth rates in Lagos and also in the nation at large. The media can also be used as an alternative measure of passing this information much more effective from time to time.

**4.1.12 SUSTAINABILITY:** “This term is widely used across academic, professional, political and social circles but most times are still often ignored or conveniently forgotten (Benson and Roe, 2000 pg.1)”. The lack of sustainability and control lead the state to what we see today. For this to be corrected, the approach of sustainability has to be implemented.

The culture of sustainable environment has to be treated with all form of consciousness and diligence in order to solve overpopulation in the state by effectively applying the steps stated above. It will be of an added advantage to the state if a sustainable department could be created in all political, economic, social and environmental sector of the state for effective monitoring process.

## 5.1 CONCLUSION

“Landscape is the appearance of the area of land which the eye can see at once (Benson and Roe, 2000 pg.1)”. This is the main reason why this research has taken a case study of Lagos state as compared to Berlin in order to examine the causes, problems and the possible solutions to the challenges of overpopulation in the state.

These two states has some similarities in common which are they attract people, the religious practices are almost the same ( Christianity, Islam and others), Lagos was once the capital of Nigeria while Berlin still retains that post till date and availability of various industries.

The differences between these states are the level of transportation, research, currency, the people, the level of discoveries, population growth, laws, statutory control, cultural differences, housing, infrastructural facilities and social relation.

The research was able to identify some of the causes of overpopulation in Lagos state which includes immigration, employment, infrastructural services, poverty, industrialisation, education, religion, rural urban migration, market, fertility rate in Lagos and lack of skilled labour. While the problems of Overpopulation in the state includes urban decay, hunger, housing, lack of electricity, congestion, overcrowded schools, crime, High demands of goods, administration, beggars and urban planning.

The possible solutions on how to curb this problem of overpopulation in the state could be corruption, agriculture, housing and greenery, transportation, urban planning, recycling, research institutes, job and electricity, re-grouping of industries, education, and sustainability.

The value in Nigeria is that the nation as a whole is abundantly blessed with mineral resources which are presently less utilized and if these resources can be effectively utilized based on the possible solutions suggested above, the Nation will develop quickly while Germany has more innovations, technological skills and are one of the leading countries in the whole in terms of exportation and these also serve as a means to the nation for better improvement if maintained constantly.

Innovation in the area of IT technology has brought great improvement in most urban cities today which is still for better inventions. These inventions has really made human jobs much easier and this require also a lot of skilled workers for a successful operation and work delivery. Every sector of a city such as the economic, social, and environmental sector make use of the IT technology in one way or the other. A typical example is the traffic condition of a city, if the IT

sector of such city is faulty for a period of time this will lead to multiple accidents on the transportation routes and this tends to show how important IT technology is to a city. The consequences of this sector to both Lagos state and Berlin are, it will bring more improvement to the work coordination, make job easier for the workers and enhance these cities in areas of technology.

## **5.2 RECOMMENDATION**

Both Berlin and Lagos should improve more on their greenery for better condition of living in the lives of the people within both cities.

The problem of corruption must be tackled in Lagos state if there must be advancement in the city.

The transportation system in Lagos state must be redeveloped for adequate functionality while in Berlin the time frame of these buses can also be improved to avoid lateness.

More Housing units should be constructed by the Government in both cities in order to accommodate the continuous growth and provide better standard of living.

The supply of constant electricity in the city of Lagos state must be effected to develop new businesses and improve on the existing ones.

Other surrounding states around Lagos state should be developed in order to reduce the congestion of people in the city of Lagos state.

The use of bicycle in Lagos state will minimise the emission of carbon monoxide into the atmosphere and also help to keep the people in a very good condition.

Recycling techniques will help Lagos state in order to minimise the amount of waste disposal into the atmosphere.

The development of green roof techniques should be implemented more in both Lagos state and Berlin.

Sustainable approach to development must be enforced in these cities rules and regulations in order to enhance continuous development and effective growth of these cities.

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## 5.4 PICTURES REFERENCES

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Figure 2: Lagos: City of Opportunities • An Investor's Guide.2015 pg.4. Web link: <https://www.lagosglobal.org/wp-content/uploads/2016/05/Lagos-Investors-Guide.pdf>

Figure 3: Lagos: City of Opportunities • An Investor's Guide.2015 pg.8. Web link: <https://www.lagosglobal.org/wp-content/uploads/2016/05/Lagos-Investors-Guide.pdf>

Figure 4: Berlin Map. Date 03 August 2018. Time 11:50. Web Link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=WSRkW6r9BInpsAe7gJlY&q=berlin+map&oq=berlin+map&gs\\_l=img.3..35i39k1j019.2638.5511.0.5862.4.4.0.0.0.79.264.4.4.0....0...1c.1.64.img..0.4.263...0i67k1.0.k05ZLcjgw1Y#imgdii=9-HBV8JaoI5VYM:&imgrc=Qo46OzPoyHiCJM:](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=WSRkW6r9BInpsAe7gJlY&q=berlin+map&oq=berlin+map&gs_l=img.3..35i39k1j019.2638.5511.0.5862.4.4.0.0.0.79.264.4.4.0....0...1c.1.64.img..0.4.263...0i67k1.0.k05ZLcjgw1Y#imgdii=9-HBV8JaoI5VYM:&imgrc=Qo46OzPoyHiCJM:)

Figure 5: (Lagos bureau of statistics, 2010 pg.6). Web link: <http://mepb.lagosstate.gov.ng/wp-content/uploads/sites/29/2017/01/GDP-2010-REPORT.pdf>

Figure 6. Transportation in Lagos state. Date 03 August 2018. Time:16:10.Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=fmJkW-LTMiuQkwXW1KSAAw&q=road+transportation+in+lagos+state&oq=road+transportation+in+lagos+state&gs\\_l=img.12...0.0.0.219028.0.0.0.0.0.0.0.0.0.0.0.0...0...1c..64.img..0.0.0....0.55knTCgePMk#imgrc=LY6BdJhKrlyb7M:](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=fmJkW-LTMiuQkwXW1KSAAw&q=road+transportation+in+lagos+state&oq=road+transportation+in+lagos+state&gs_l=img.12...0.0.0.219028.0.0.0.0.0.0.0.0.0.0.0.0...0...1c..64.img..0.0.0....0.55knTCgePMk#imgrc=LY6BdJhKrlyb7M:)

Figure 7: Mushin market in Lagos state. Date 03 August 2018. Time: 16:25. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=kWRkW4zeFoXTsAe2h4OoAw&q=mushin+market++in+lagos+state&oq=mushin+market++in+lagos+state&gs\\_l=img.3...75166.80415.0.80998.26.18.0.0.0.0.122.1498.16j2.18.0....0...1c.1.64.img..11.2.189...0i7i30k1j0i7i5i30k1.0.98FXwr9tefs#imgrc=YR7YbSeFJjS5wM:](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=kWRkW4zeFoXTsAe2h4OoAw&q=mushin+market++in+lagos+state&oq=mushin+market++in+lagos+state&gs_l=img.3...75166.80415.0.80998.26.18.0.0.0.0.122.1498.16j2.18.0....0...1c.1.64.img..11.2.189...0i7i30k1j0i7i5i30k1.0.98FXwr9tefs#imgrc=YR7YbSeFJjS5wM:)

Figure 8: Bungalow Houses in Lagos state. Date 03 August 2018. Time: 16:35. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=y2ZkzW5zFCMW2kwWLkpSoDg&q=slum+houses+in+lagos+state&oq=slum+houses+in+lagos+state&gs\\_l=img.3...46926.49935.0.51912.10.8.0.0.0.0.201.822.6j1j1.8.0....0...1c.1.64.img..4.0.0....0.zPk16HOeG3k#imgrc=7Fn0\\_1E5DOIEdM:](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=y2ZkzW5zFCMW2kwWLkpSoDg&q=slum+houses+in+lagos+state&oq=slum+houses+in+lagos+state&gs_l=img.3...46926.49935.0.51912.10.8.0.0.0.0.201.822.6j1j1.8.0....0...1c.1.64.img..4.0.0....0.zPk16HOeG3k#imgrc=7Fn0_1E5DOIEdM:)

Figure 9: Eyo Festival in Lagos state. Date 03 August 2018. Time: 18:43. Web link: [https://www.google.de/search?q=eyo+festival&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjgmPirqdHcAhVHsaQKHb8qC1cQ\\_AUICigB&biw=1163&bih=534#imgrc=RICa80YNLN23cM](https://www.google.de/search?q=eyo+festival&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjgmPirqdHcAhVHsaQKHb8qC1cQ_AUICigB&biw=1163&bih=534#imgrc=RICa80YNLN23cM):  
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Figure 10: Action Congress the ruling party in Lagos state. Date 03 August 2018. Time: 18:50. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=eoVkW8qQGYqdsAeBpIPAAw&q=action+congress+lagos+state&oq=action+congress+lagos+state&gs\\_l=img.3...308444.324158.0.324832.39.30.0.2.2.0.176.1884.28j1.29.0...0...1c.1.64.img..11.17.1115.0..0j0i67k1j0i30k1j0i5i30k1j0i8i30k1j0i24k1j35i39k1.0.89EGWYIeiDw#imgrc=GbeEQMIAMg\\_E-M](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=eoVkW8qQGYqdsAeBpIPAAw&q=action+congress+lagos+state&oq=action+congress+lagos+state&gs_l=img.3...308444.324158.0.324832.39.30.0.2.2.0.176.1884.28j1.29.0...0...1c.1.64.img..11.17.1115.0..0j0i67k1j0i30k1j0i5i30k1j0i8i30k1j0i24k1j35i39k1.0.89EGWYIeiDw#imgrc=GbeEQMIAMg_E-M):

Figure 11: Previous Oshodi market. Date 03 August 2018. Time: 18:59. Web link: [https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=3YhKW9uqHYWdkwXa44rYCw&q=present+oshodi+market&oq=present+oshodi+market&gs\\_l=img.3...300628.302164.0.303110.8.8.0.0.0.0.130.562.6j2.8.0...0...1c.1.64.img..0.0.0...0.mldjPSPHifA#imgrc=h5gfh0mJFSDFLM](https://www.google.de/search?biw=1163&bih=534&tbm=isch&sa=1&ei=3YhKW9uqHYWdkwXa44rYCw&q=present+oshodi+market&oq=present+oshodi+market&gs_l=img.3...300628.302164.0.303110.8.8.0.0.0.0.130.562.6j2.8.0...0...1c.1.64.img..0.0.0...0.mldjPSPHifA#imgrc=h5gfh0mJFSDFLM):

Figure 12: Present day Oshodi market. Date 03 August 2018. Time: 19:11. Web link: [https://www.google.de/search?q=OSHOdi+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjOpemYsdHcAhUusqQKHdAFCzqQ\\_AUICigB&biw=1163&bih=534#imgrc=GPpkWd49pjhM](https://www.google.de/search?q=OSHOdi+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjOpemYsdHcAhUusqQKHdAFCzqQ_AUICigB&biw=1163&bih=534#imgrc=GPpkWd49pjhM):  
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Figure 13: Tree planting in Lagos state by the previous governor of Lagos. Date 03 August 2018. Time: 19:27 Web link: [https://www.google.de/search?q=lagos+state+planted+trees&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjD8sKZstHcAhUG26QKHeffBU8Q\\_AUICigB&biw=1163&bih=534#imgrc=LRIDbXcnmD2AbM](https://www.google.de/search?q=lagos+state+planted+trees&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjD8sKZstHcAhUG26QKHeffBU8Q_AUICigB&biw=1163&bih=534#imgrc=LRIDbXcnmD2AbM):  
LRIDbXcnmD2AbM:

Figure 14a: Lagos Map. Date 09 August 2018. Time: 12:24. Web link: <https://www.google.de/search?q=map+of+lagos+state&oq=MAP+OF+LAGOS&aqs=chrome.l.69i59j35i39j69i57j0l3.7945j1j7&sourceid=chrome&ie=UTF-8>

Figure 14b: Banana Island Lagos. Date 09 August 2018. Time: 12:46. Web link: [https://www.google.de/search?biw=1151&bih=466&tbm=isch&sa=1&ei=ihpsW47xHorAlAaut4mgBA&q=banana+island+street+lagos&oq=banana+island+street+lagos&gs\\_l=img.3...17845.20243.0.21032.7.7.0.0.0.0.221.551.5j0j1.6.0...0...1c.1.64.img..1.2.294...0j0i67k1j0i7i30k1j0i8i7i30k1.0.71UjsbSZIg8#imgrc=maWepTWi-rbJFM](https://www.google.de/search?biw=1151&bih=466&tbm=isch&sa=1&ei=ihpsW47xHorAlAaut4mgBA&q=banana+island+street+lagos&oq=banana+island+street+lagos&gs_l=img.3...17845.20243.0.21032.7.7.0.0.0.0.221.551.5j0j1.6.0...0...1c.1.64.img..1.2.294...0j0i67k1j0i7i30k1j0i8i7i30k1.0.71UjsbSZIg8#imgrc=maWepTWi-rbJFM)



Figure 22a. The Parliament. Date 06 August 2018. Time: 16:50. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=vhpoW\\_StOoeUsAeJ773gBg&q=parliament+of+germany&oq=parliament+of+germany&gs\\_l=img.3..0j0i24k113.296088.308853.0.309871.41.19.1.10.10.0.83.1208.17.17.0....0...1c.1.64.img..17.24.1010.0..0i67k1j0i5i30k1j0i8i30k1j35i39k1j0i10k1.0.jl3EkzqlXyo#imgcr=zrgetlM7G7GZhM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=vhpoW_StOoeUsAeJ773gBg&q=parliament+of+germany&oq=parliament+of+germany&gs_l=img.3..0j0i24k113.296088.308853.0.309871.41.19.1.10.10.0.83.1208.17.17.0....0...1c.1.64.img..17.24.1010.0..0i67k1j0i5i30k1j0i8i30k1j35i39k1j0i10k1.0.jl3EkzqlXyo#imgcr=zrgetlM7G7GZhM:)

Figure 22b: Wall painting in Berlin. Date 11 August 2018. Time: 13:10. Web link: [https://www.google.de/search?q=youths+writing+of+walls+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwi1m-uWw-TcAhUF3KQKHxsuCXMQ\\_AUICigB&biw=1151&bih=507#imgcr=Er0kfcwppA2YM:](https://www.google.de/search?q=youths+writing+of+walls+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwi1m-uWw-TcAhUF3KQKHxsuCXMQ_AUICigB&biw=1151&bih=507#imgcr=Er0kfcwppA2YM:)

Figure 22c: People waiting to see an apartment in Berlin. Date 11 August 2018. Time: 13:18. Web link: [https://www.google.de/search?q=housing+issues+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiJ38Ho7uTcAhVN66QKHSjXC6QQ\\_AUICigB&biw=1151&bih=507#imgcr=H9buRWd-ouY1CM:](https://www.google.de/search?q=housing+issues+in+berlin&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiJ38Ho7uTcAhVN66QKHSjXC6QQ_AUICigB&biw=1151&bih=507#imgcr=H9buRWd-ouY1CM:)

Figure 23: Bad transportation route in Lagos. Date 07 August 2018. Time 11:16. Web link: [https://www.google.de/search?q=bad+road+in+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj27sG6ytrcAhXO2aQKHXOLAOUQ\\_AUICigB&biw=1151&bih=511#imgcr=ADcN69LUu6BlqM:](https://www.google.de/search?q=bad+road+in+lagos&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj27sG6ytrcAhXO2aQKHXOLAOUQ_AUICigB&biw=1151&bih=511#imgcr=ADcN69LUu6BlqM:)

Figure 24: Youths hawking just to make a living. Date 07 August 2018. Time: 11:47. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=v2lpW5rUGsOakwWFnqWQCA&q=young+teenager+hawking+in+lagos&oq=young+teenager+hawking+in+lagos&gs\\_l=img.3...3182.7402.0.7823.10.10.0.0.0.0.62.557.10.10.0....0...1c.1.64.img..0.0.0....0.NyMQZssDCjE#imgcr=nABhMckxWZlsmM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=v2lpW5rUGsOakwWFnqWQCA&q=young+teenager+hawking+in+lagos&oq=young+teenager+hawking+in+lagos&gs_l=img.3...3182.7402.0.7823.10.10.0.0.0.0.62.557.10.10.0....0...1c.1.64.img..0.0.0....0.NyMQZssDCjE#imgcr=nABhMckxWZlsmM:)

Figure 25: Area boys on the street of Lagos. Date 07 August 2018. Time: 12:58. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=yGlpW-KrHdLekgXVhIG4Cw&q=area+boys+lagos&oq=area+&gs\\_l=img.3.1.0j0i67k1j0i3j0i67k1j0i4.4083888.4087628.0.4089807.37.16.0.0.0.0.86.1008.14.14.0....0...1c.1.64.img..31.5.361.0..35i39k1.0.fh5fvPJdaHs#imgcr=i7omqMwD1ui2-M:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=yGlpW-KrHdLekgXVhIG4Cw&q=area+boys+lagos&oq=area+&gs_l=img.3.1.0j0i67k1j0i3j0i67k1j0i4.4083888.4087628.0.4089807.37.16.0.0.0.0.86.1008.14.14.0....0...1c.1.64.img..31.5.361.0..35i39k1.0.fh5fvPJdaHs#imgcr=i7omqMwD1ui2-M:)

Figure 26: Boko Haram group. Date 07 August 2018. Time: 13:17. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=V31pW-qyEufgsAfRnb64Bg&q=boko+haram+in+lagos&oq=boko+haram+in+&gs\\_l=img.3.0.35i39k1j0i15j0i30k114.134040.134849.0.136164.4.4.0.0.0.0.96.318.4.4.0....0...1c.1.64.img..0.4.316...0i67k1.0.I7x10Y64keQ#imgcr=cN51WEpRbKsifM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=V31pW-qyEufgsAfRnb64Bg&q=boko+haram+in+lagos&oq=boko+haram+in+&gs_l=img.3.0.35i39k1j0i15j0i30k114.134040.134849.0.136164.4.4.0.0.0.0.96.318.4.4.0....0...1c.1.64.img..0.4.316...0i67k1.0.I7x10Y64keQ#imgcr=cN51WEpRbKsifM:)



Figure 27: Fertility rate for Nigeria and Lagos state. Source: (Lagos state government, 2015). Web link: <http://mepb.lagosstate.gov.ng/wp-content/uploads/sites/29/2017/08/Demographic-Dividend-in-Lagos-State-2015-1.pdf>

Figure 28: Computer Village ikeja market. Date 07 August 2018. Time: 13:44. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=UIRpW-3CJsKwkwXavK2oDQ&q=ikeja+market&oq=ikeja+market&gs\\_l=img.3..0j0i24k1.88967.9598.0.0.96999.20.12.2.0.0.0.126.858.11j1.12.0....0...1c.1.64.img..9.7.478...0i7i30k1j35i39k1j0i67k1.0.NeyL4degJBc#imgrc=Ggq1qBEQ6\\_5UTM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=UIRpW-3CJsKwkwXavK2oDQ&q=ikeja+market&oq=ikeja+market&gs_l=img.3..0j0i24k1.88967.9598.0.0.96999.20.12.2.0.0.0.126.858.11j1.12.0....0...1c.1.64.img..9.7.478...0i7i30k1j35i39k1j0i67k1.0.NeyL4degJBc#imgrc=Ggq1qBEQ6_5UTM:)

Figure 29: waste dumping in Lagos. Date 07 August 2018. Time: 15:10. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=TYZpW9LFDZC2kwWvoZrQAg&q=waste+dump+in+lagos&oq=waste+dump+in+lagos&gs\\_l=img.3...4635710.465.2178.0.4653440.38.22.0.4.4.0.99.1445.21.21.0....0...1c.1.64.img..18.15.793.0..0j0i8i30k1j35i39k1j0i67k1j0i30k1j0i5i30k1j0i24k1.0.iV5uXkpG-as#imgrc=qgkFoUIDiHVvnM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=TYZpW9LFDZC2kwWvoZrQAg&q=waste+dump+in+lagos&oq=waste+dump+in+lagos&gs_l=img.3...4635710.465.2178.0.4653440.38.22.0.4.4.0.99.1445.21.21.0....0...1c.1.64.img..18.15.793.0..0j0i8i30k1j35i39k1j0i67k1j0i30k1j0i5i30k1j0i24k1.0.iV5uXkpG-as#imgrc=qgkFoUIDiHVvnM:)

Figure 30: Slum Area in Lagos state. Date 16<sup>th</sup> July of 2018. Time 16:26. Web link: [https://www.google.de/search?q=slum+in+lagos+state&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjpr6Ok5qPcAhUFPFaKHeweDbkQ\\_AUICigB&biw=1163&bih=534#imgrc=\\_z5B-XtttBBwuM:](https://www.google.de/search?q=slum+in+lagos+state&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjpr6Ok5qPcAhUFPFaKHeweDbkQ_AUICigB&biw=1163&bih=534#imgrc=_z5B-XtttBBwuM:)

Figure 31: Use of generator as source of electricity. Date 07 August 2018. Time:11:22 Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=K2BpW87gGtLjsAfW9bC4AQ&q=lack+of+electricity+in+lagos&oq=lack+of+electricity+in+lagos&gs\\_l=img.3...865.712.872920.0.873434.27.23.0.0.0.0.157.1564.17j4.21.0....0...1c.1.64.img..8.4.306...0i7i30k1j0i7i5i30k1.0.CFg-j7IFBgs#imgrc=LFyyxz3UqksIBM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=K2BpW87gGtLjsAfW9bC4AQ&q=lack+of+electricity+in+lagos&oq=lack+of+electricity+in+lagos&gs_l=img.3...865.712.872920.0.873434.27.23.0.0.0.0.157.1564.17j4.21.0....0...1c.1.64.img..8.4.306...0i7i30k1j0i7i5i30k1.0.CFg-j7IFBgs#imgrc=LFyyxz3UqksIBM:)

Figure 32: Congested home in Lagos. Date 07 August 2018. Time: 19:28. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=5MZpW\\_-SC8TzkwWOspWACQ&q=congested+houses+in+lagos&oq=congested+houses+in+lagos&gs\\_l=img.3...3763173.3770253.0.3771342.28.21.0.0.0.0.240.1609.18j2j1.21.0....0...1c.1.64.img..10.8.588...0i7i30k1j0i7i5i30k1.0.VbZBW39I4jo#imgrc=61nzFEvgqF768M:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=5MZpW_-SC8TzkwWOspWACQ&q=congested+houses+in+lagos&oq=congested+houses+in+lagos&gs_l=img.3...3763173.3770253.0.3771342.28.21.0.0.0.0.240.1609.18j2j1.21.0....0...1c.1.64.img..10.8.588...0i7i30k1j0i7i5i30k1.0.VbZBW39I4jo#imgrc=61nzFEvgqF768M:)

Figure 33: Air Pollution in Lagos. Date 07 August 2018. Time: 19:32. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ItZpW8WPGKrnAfe-rDQAw&q=air+pollution+in+lagos&oq=air++in+lagos&gs\\_l=img.3.0.0i7i30k1.251523.255288.0.257925.20.10.0.0.0.0.104.792.9j1.10.0....0...1c.1.64.img..14.5.400...0i8i7i30k1j0i7i5i30k1.0.IE1nxfByjfs#imgrc=MsuRC7ipln6MFM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ItZpW8WPGKrnAfe-rDQAw&q=air+pollution+in+lagos&oq=air++in+lagos&gs_l=img.3.0.0i7i30k1.251523.255288.0.257925.20.10.0.0.0.0.104.792.9j1.10.0....0...1c.1.64.img..14.5.400...0i8i7i30k1j0i7i5i30k1.0.IE1nxfByjfs#imgrc=MsuRC7ipln6MFM:)

Figure 34: Congested classroom in Lagos. Date 07 August 2018. Time: 20:02. Web link: [https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ct1pW8u8Gc2ckgWYr6q4Dw&q=public+school+in+lagos&oq=public+school+in+lagos&gs\\_l=img.3..0i5i30k1j0i24k1.3749.11989.0.13142.37.23.0.5.5.0.90.1448.22.22.0...0...1c.1.64.img..14.23.1211.0..0j35i39k1ji67k1.0.TIDzIJ48D70#imgrc=7hd9GBHCPOG\\_LM:](https://www.google.de/search?biw=1151&bih=511&tbm=isch&sa=1&ei=ct1pW8u8Gc2ckgWYr6q4Dw&q=public+school+in+lagos&oq=public+school+in+lagos&gs_l=img.3..0i5i30k1j0i24k1.3749.11989.0.13142.37.23.0.5.5.0.90.1448.22.22.0...0...1c.1.64.img..14.23.1211.0..0j35i39k1ji67k1.0.TIDzIJ48D70#imgrc=7hd9GBHCPOG_LM:)

Figure 35: (Crime Statistics: Report Offences 2016 pg.41) Web link: <file:///C:/Users/ephrem/Downloads/Crime%20Statistics%20Reported%20Offences%20-%202016-min.pdf>

Figure 36: Source: Green roofs: Ecological design and construction (Katrin Scholz-Barth, Manfred Koehler et al, 2005 pg.50)

Figure 37: Sustainable urban design: An environmental approach (edited by Randall Thomas, 2003 pg.97)

Figure 38: Skyscrapers in Lagos Island. Date 09 August 2018. Time: 14:32. Web link: [https://www.google.de/search?q=lagos+island&source=lnms&tbm=isch&sa=X&ved=0ahUKEwi6wIHP-t\\_cAhXO16QKHbHTBnQQ\\_AUICigB&biw=1151&bih=466#imgrc=ELUF6LZeGsS4xM:](https://www.google.de/search?q=lagos+island&source=lnms&tbm=isch&sa=X&ved=0ahUKEwi6wIHP-t_cAhXO16QKHbHTBnQQ_AUICigB&biw=1151&bih=466#imgrc=ELUF6LZeGsS4xM:)

Figure 39: Recycling baskets. Date 09 August 2018. Time: 14:27. Web link: [https://www.google.de/search?q=recycling+baskets&source=lnms&tbm=isch&sa=X&ved=0ahUKewiE5ffP-9\\_cAhUNMewKHRNBB1MQ\\_AUICigB&biw=1151&bih=466#imgrc=TEcM1SjC6U6AHM:](https://www.google.de/search?q=recycling+baskets&source=lnms&tbm=isch&sa=X&ved=0ahUKewiE5ffP-9_cAhUNMewKHRNBB1MQ_AUICigB&biw=1151&bih=466#imgrc=TEcM1SjC6U6AHM:)

Figure 40: Sustainable urban design: An environmental approach (edited by Randall Thomas, 2003 pg.33)

Figure 41: Economics of Solid Waste Management in Lagos State, Nigeria (Ibiyemi, 2008 pg.5) web link: <file:///C:/Users/ephrem/Downloads/WASTEMGTPAPERpdf-signed.pdf>

Figure 42: City as Landscape. A post-postmodern view of designing and planning (Turner, 1996 pg.91).