**Company: Aztec Pharmacy**

**Project: Covid-19 Data Analysis in Nigeria**

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This project was undertaken to understand the impact Coronavirus had on Nigeria. I achieved this through thorough data analysis and visualization from the data extracted from diverse sources.

The purpose of writing this report is to share insights obtained from the project to the public. I gathered data from John Hopkins Repository online, the National Centre for Disease and Control (NCDC) website, and other external sources.

The following are examples of data gathered:

* Covid-19 cases in Nigeria (Confirmed, Recovered and Death cases with date)
* Covid-19 cases in all states of the Federation (Confirmed, Recovered and Death)
* External data containing the rate at which the pandemic affects the medical, social and economic, population etc. of each state of the federation.
* The initial budget plan and reformed budget plan of all states of the federation.
* The Gross Domestic Product (GDP) of the country from 2014 – 2021; all represented quarterly.

This was report was written to elaborate how much the pandemic affected the revenue of the country, and the lives of its citizens.

Below are three (3) crucial questions asked before the development of this project.

1. Did the pandemic affect the GDP of the country and how does it affect us?
2. Which state suffered the most mortality?
3. How does the pandemic aftermath affect this company?

**Data Overview:**

* Covid Data: Contains data I scraped off the NCDC website. It includes the recovered, confirmed and death cases in every state of the federation.
* Covid external: Contains external data containing medical, socio-economic etc. ratios.
* Covidnig: Contains data collected in 2020.
* Covid Confirmed Cases: Obtained from the John Hopkins repository, it contains the number of confirmed cases in the world and I extracted Nigeria’s data from it.
* Covid Recovered Cases: Obtained from the John Hopkins repository, it contains the number of recovered cases in the world and I extracted Nigeria’s data from it.
* Covid Global Deaths: Obtained from the John Hopkins repository, it contains the number of death cases in the world and I extracted Nigeria’s data from it.
* RealGDP: Contains data of Nigeria’s quarterly data from 2014 to 2021.
* Budget Data: Contains the initial and revised budgets of states in the federation.

**Methods:**

I used the pandas and request methods to extract data from the NCDC website, and obtained other external data from external sources like John Hopkins University repository on GitHub etc.

**Analysis:**

I analyzed the:

* Confirmed, recovered and death cases.
* Budget data.
* GDP of the federation.
* External data.

**Results:**

* Over 250,000 were infected with the virus and over 3,000 have been confirmed dead.
* The country has recovered from the virus’ effects on the country.

**Conclusions:**

1. Did the pandemic affect the GDP of the country and how does it affect us?

Yes, it did. The country’s GDP fell by a significant number which might cause an economic meltdown if not addressed. This can result to the laying off of workers so as to prevent extensive loss in the company’s revenue.

1. Which state suffered the most mortality?

According to the analysis conducted, Lagos State had the highest number of mortalities followed by Abuja. The possibility of a company worker losing a loved one is high and this may affect productivity.

1. How does the pandemic aftermath affect this company?

The covid restrictions were a huge blow to the productivity of the company. I would advise the company adopt the possibility of remote work amongst most of its employees.

In similar future work, I would love to compare the effects of covid-19 cases in Nigeria to that of other countries and see how it affects the livelihood of people and the economy of nations.