USTACKY CAPSTONE PROJECT

**TOPIC: Nigeria-COVID-19-Data-Analysis-Using-Python**

**PROJECT OVERVIEW**

This is an Exploratory Data Analysis of the recorded cases of the infectious coronavirus disease in Nigeria. Nigeria

recorded her first case of the deadly disease on February 27, 2020.

**STEPS AND APPROACHES**

**Data Collection**

Data was obtained and imported from different sources which include the NCDC website, John Hopkins Data Repository and the Ustacky repository.

**Data Cleaning and Manipulation**

The scraped Data was perfectly cleaned; check was done to ensure appropriate data types were used, columns were renamed and Data were saved to DataFrames for analytics process.

**Data Analysis and Visualizations**

The following plots were generated as analytics approach:

A plot that shows the Top 10 states in terms of Confirmed Covid-19 cases by Laboratory test.

A plot that shows the Top 10 states in terms of Discharged Covid-19 cases.

A line plot for the total daily confirmed, recovered and death cases.

The maximum infection rate for a day (Number of new cases) was calculated.

**INSIGHTS SUMMARY**

Lagos state tops the list of recorded Data; number of laboratory confirmed cases, discharged cases and death cases.

The maximum infection rate was 6198 .

The date of maximum infection rate was found to be 22-12-2021.