Nigeria COVID-19 Data Analysis Using Python
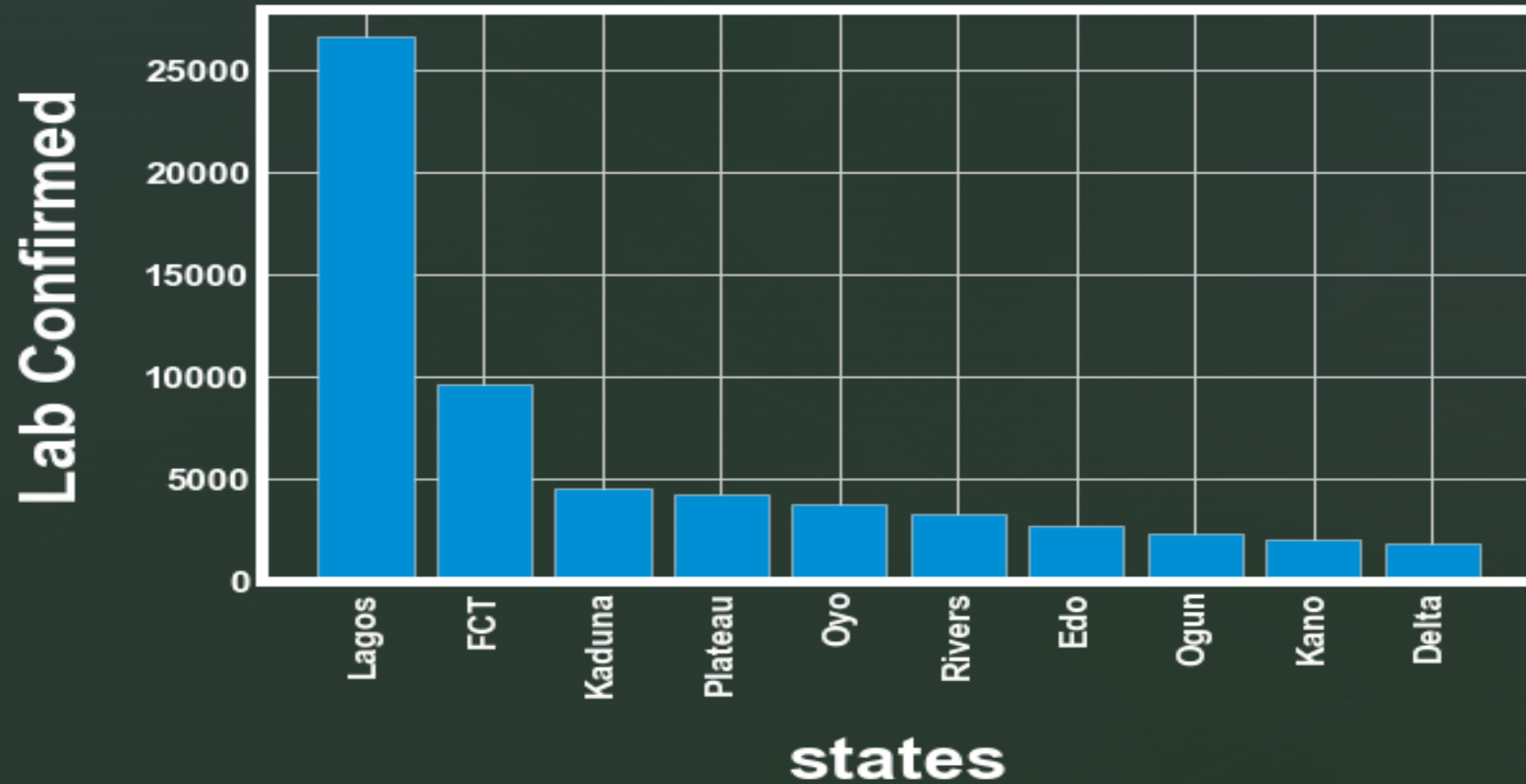
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Introduction

- - Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus, and it has affected major parts of the world. Nigeria, a West-African country, has also been affected by the COVID-19 pandemic after recording its first case on 27th February 2020.

- - Nigeria is a country with 37 states - Federal Capital Territory included- and a fast-growing economic environment with about 200 million citizens. COVID-19 has affected several country activities as the country steadily progressed from its first case, to shutting down major airports, state-wide lockdown, curfews, and reviving its economy.

- - The major aim of writing this report is to evaluate the negative impact of covid-19 on Nigeria's economy and how the country managed to survive it.
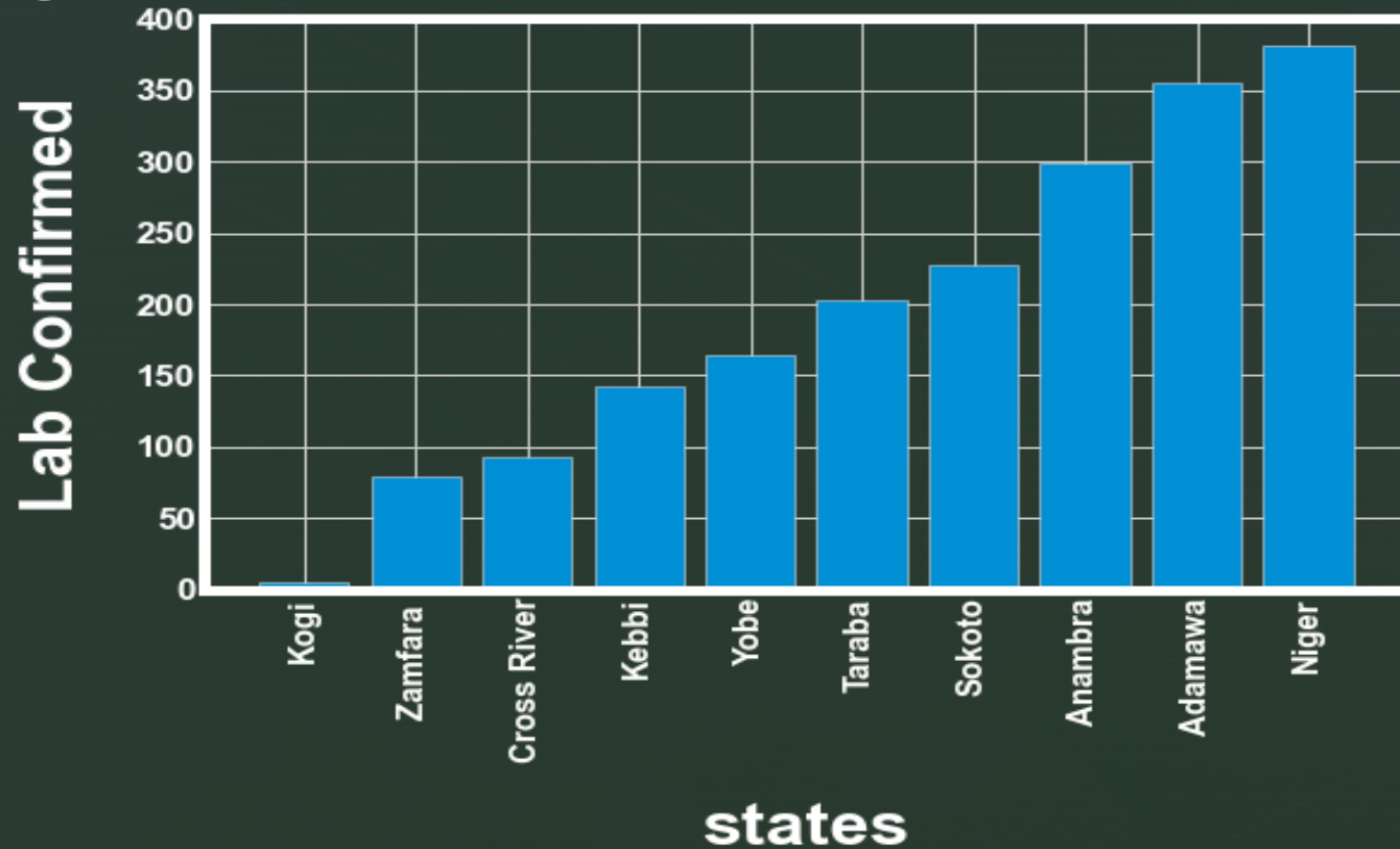
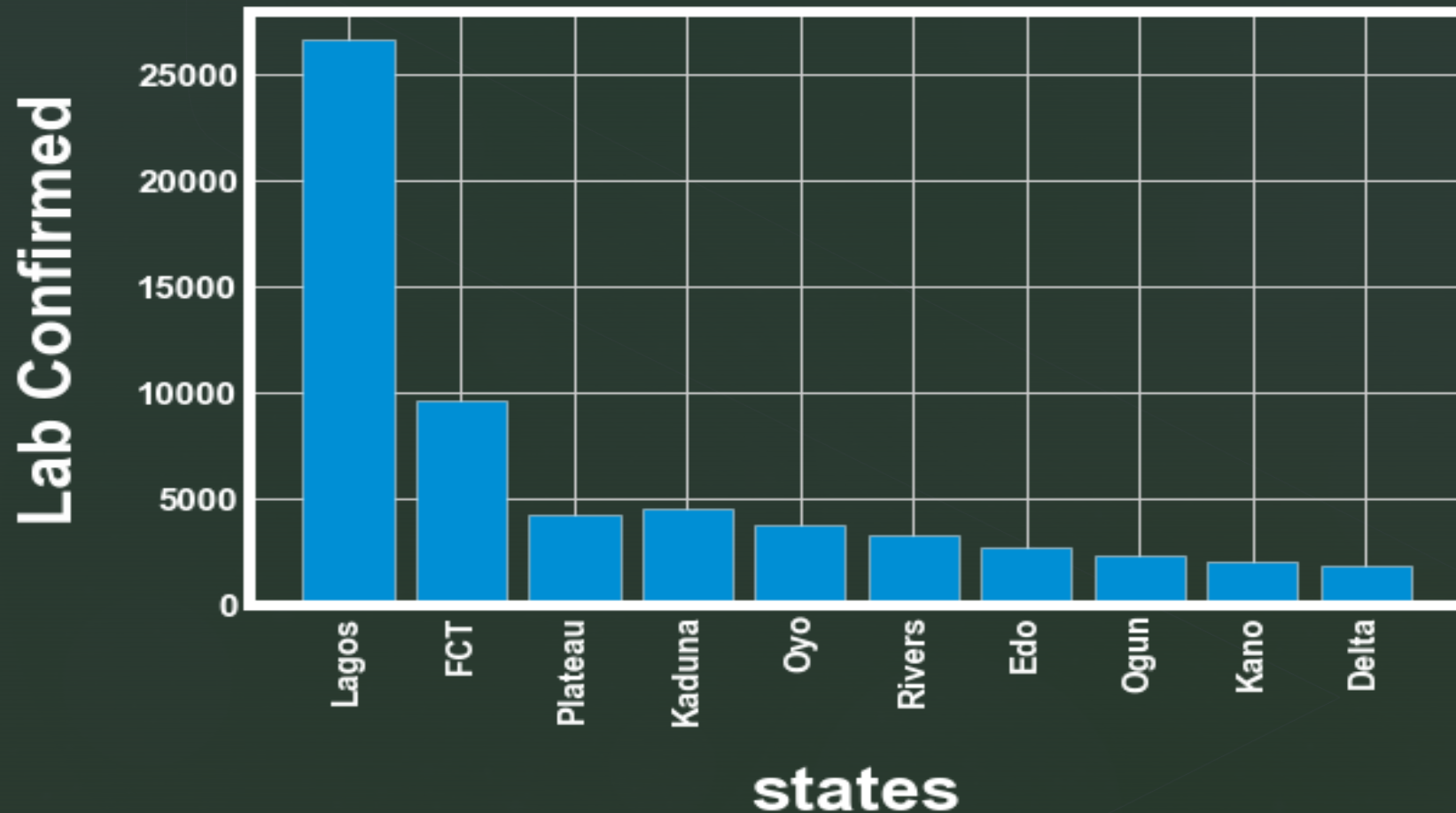Lagos State had the highest Laboratory Confirmed cases of covid-19

- Kogi State recorded lowest Laboratory confirmed cases of covid-19

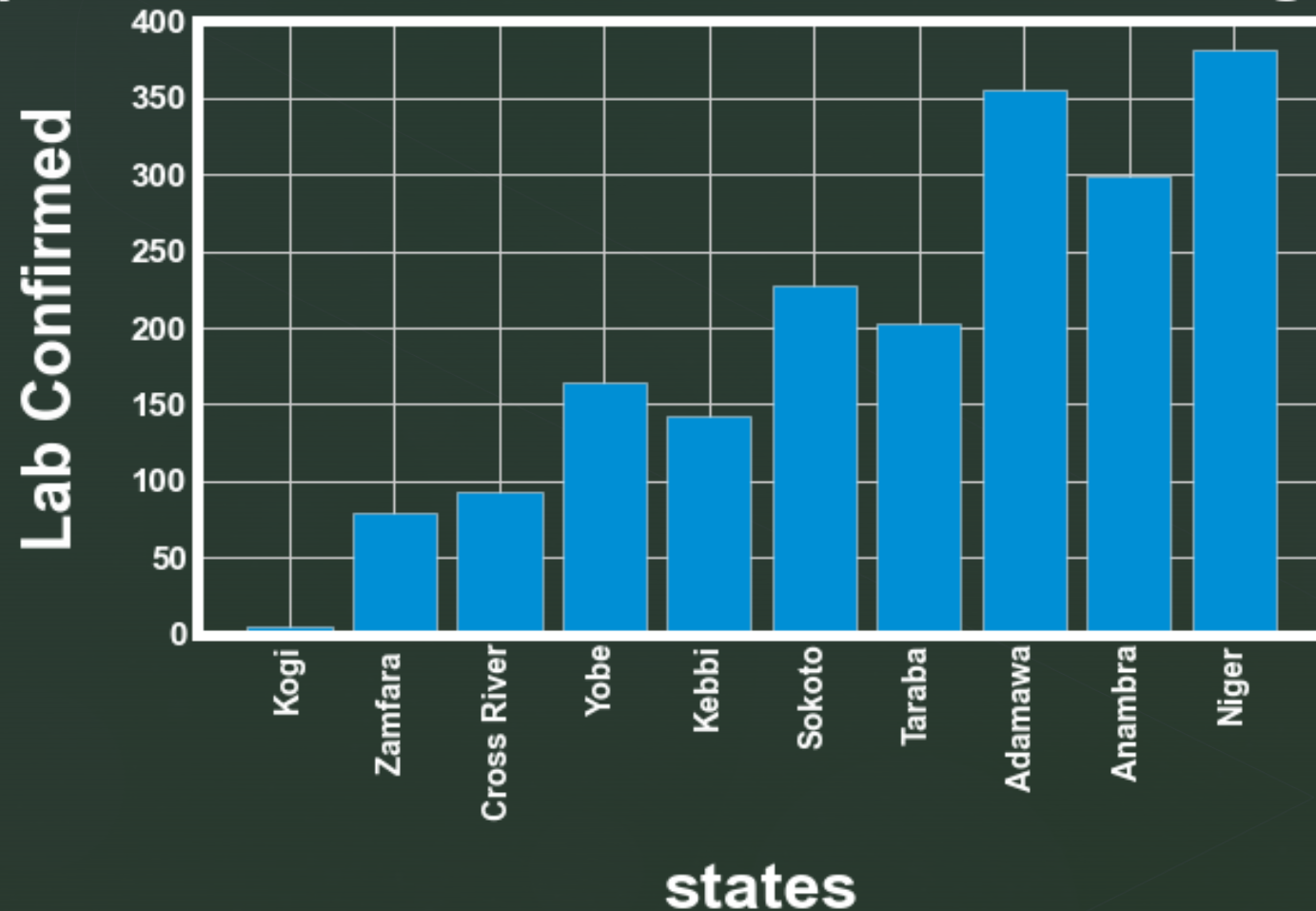Top 10 States with Smallest Lab Confirmed Cases

- Lagos State had the highest Number of Discharged Cases
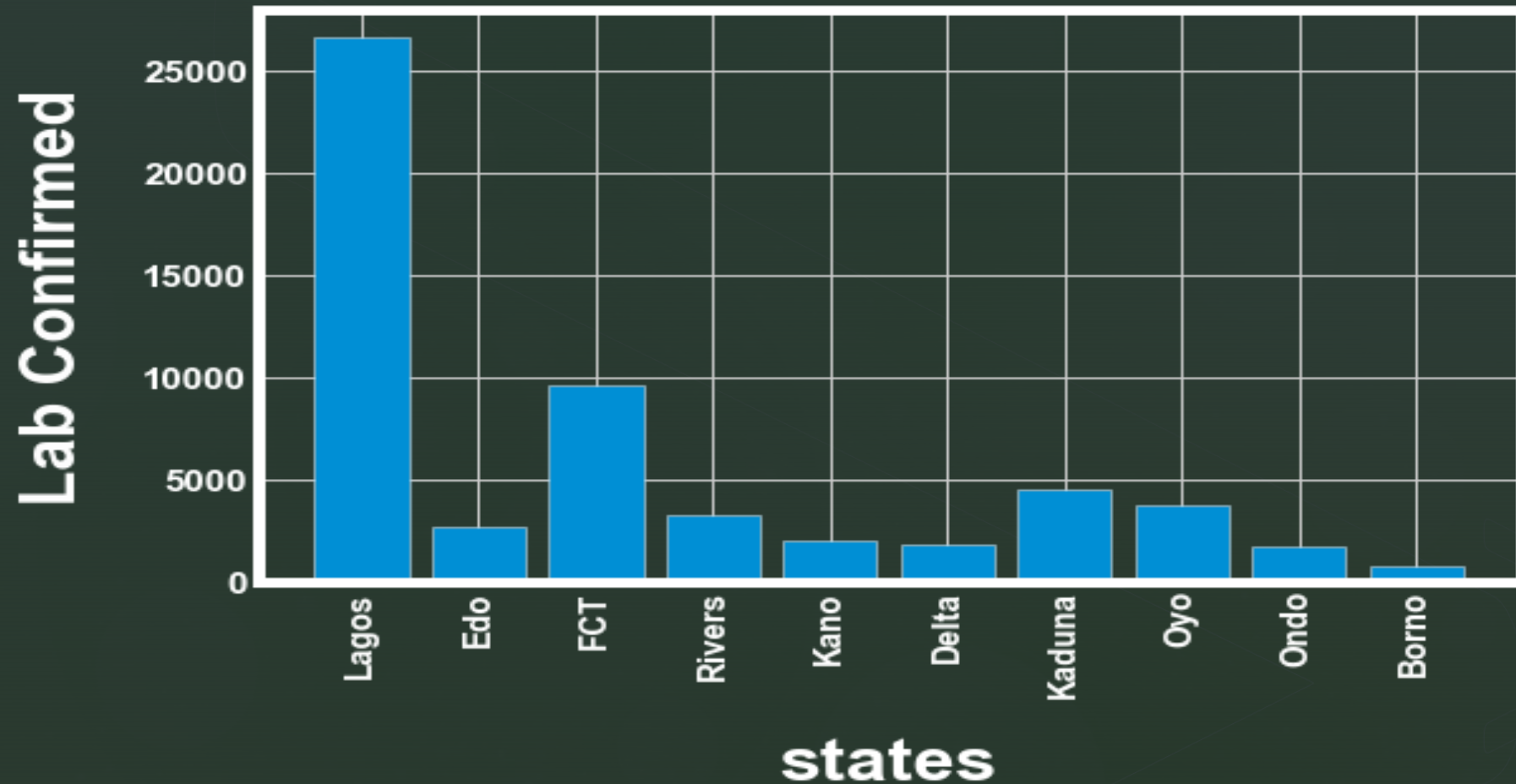

Top 10 States with No of Discharged Cases

- Kogi State had the lowest No of Discharged Cases

Top 10 States with Smallest No of Discharged Cases
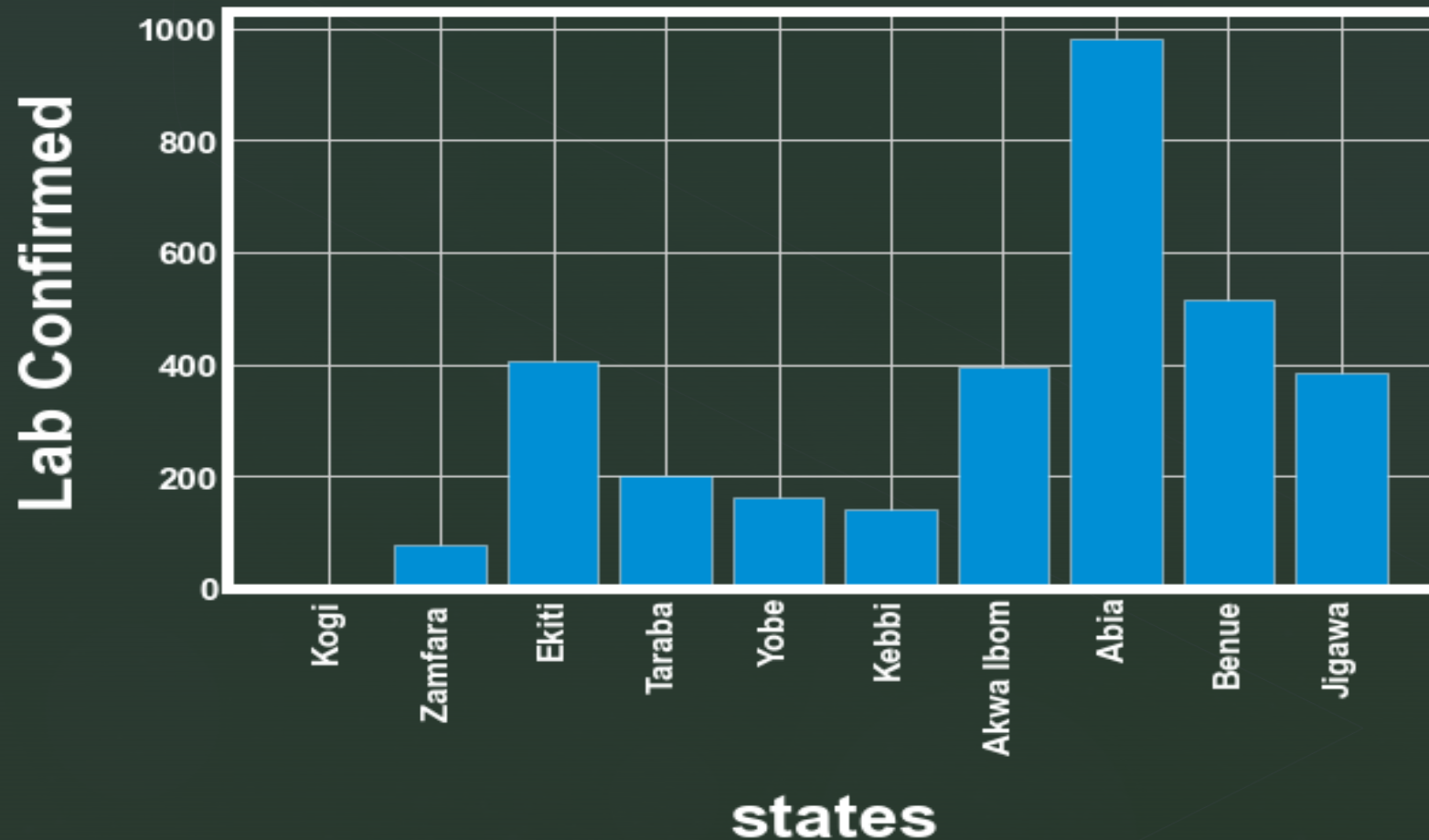
- Lagos State recorded the highest No of Death Cases

Top 10 States with No of Death Cases

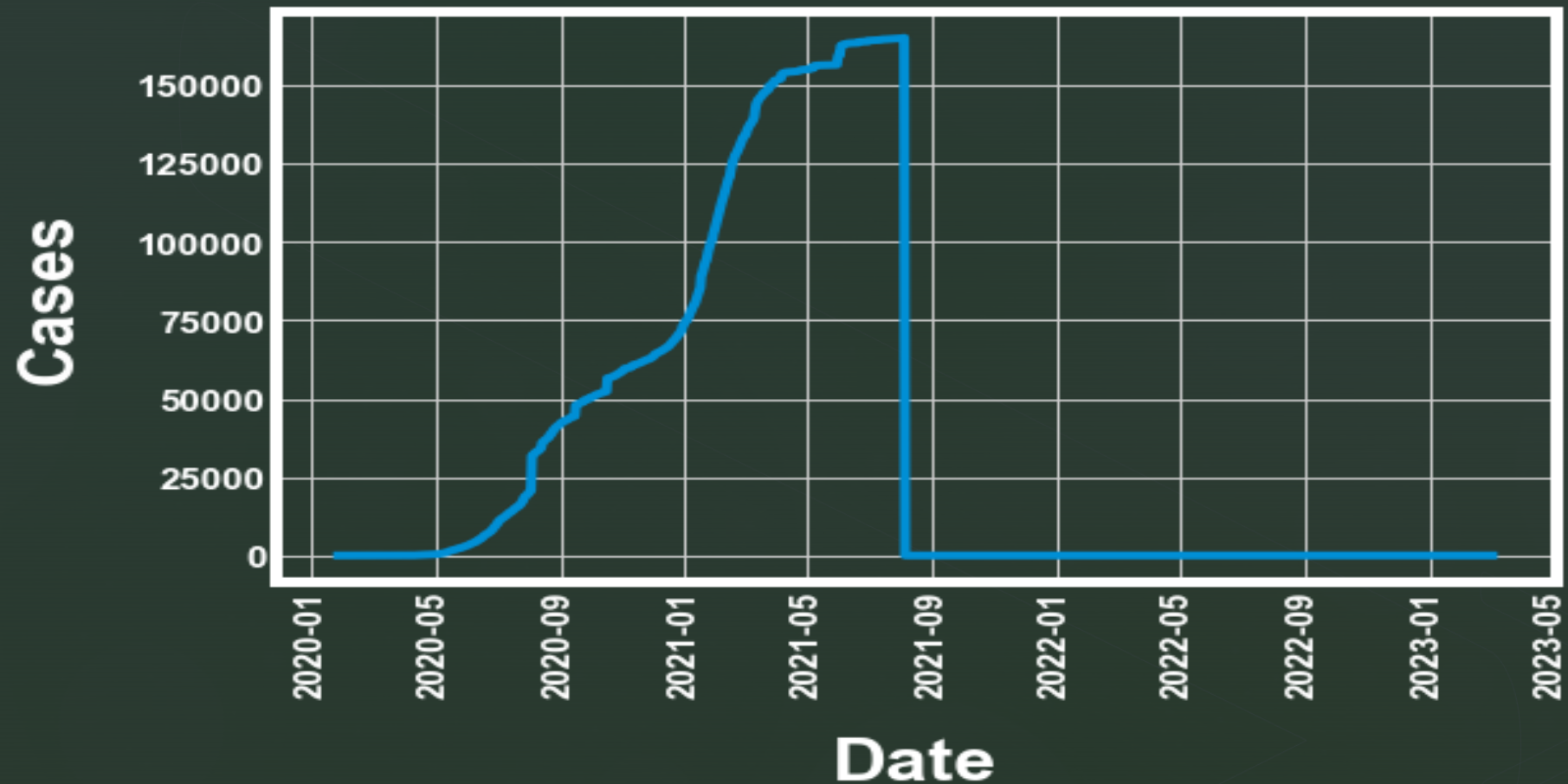- Kogi State recorded the lowest No of Death Cases

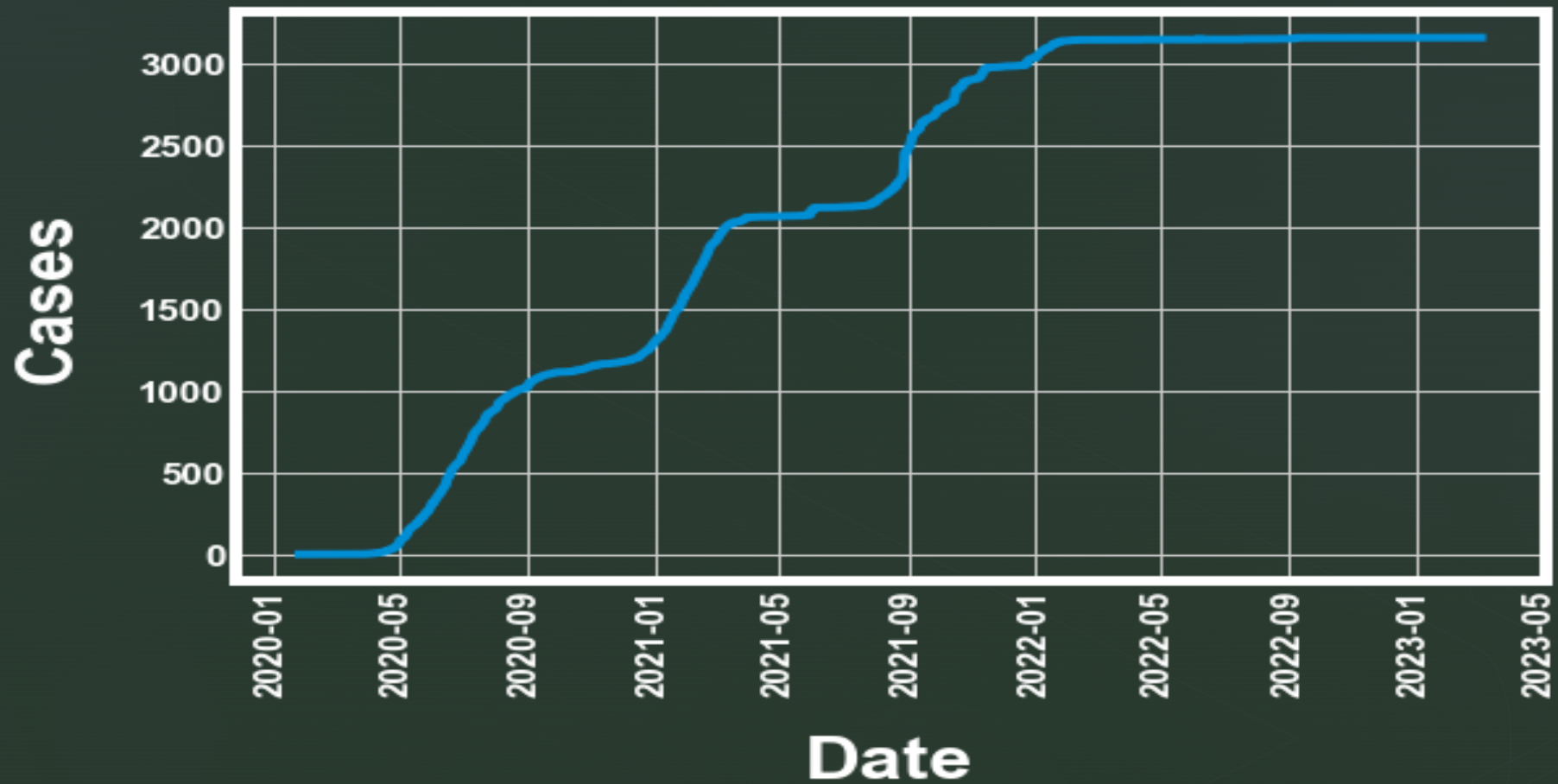Top 10 States with Smallest No of Death Cases

- The rate of daily confirmed cases increases as date progresses from January 2020 to May 2023.
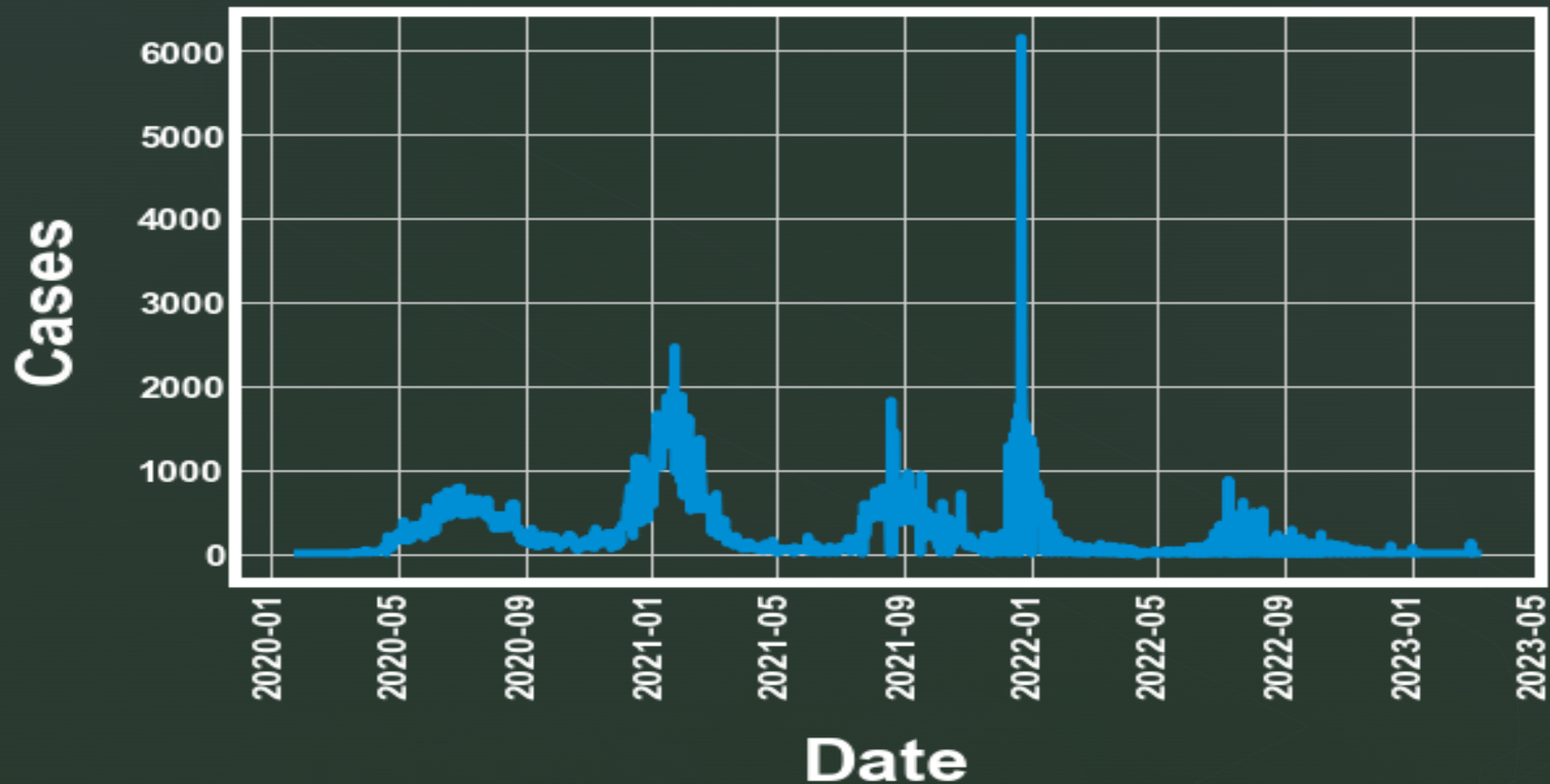
- The rate of daily recovered cases of covid-19 increases from January 2020 until September 2021
It later dropped sharply to the lowest level and maintained that level till May 2023.
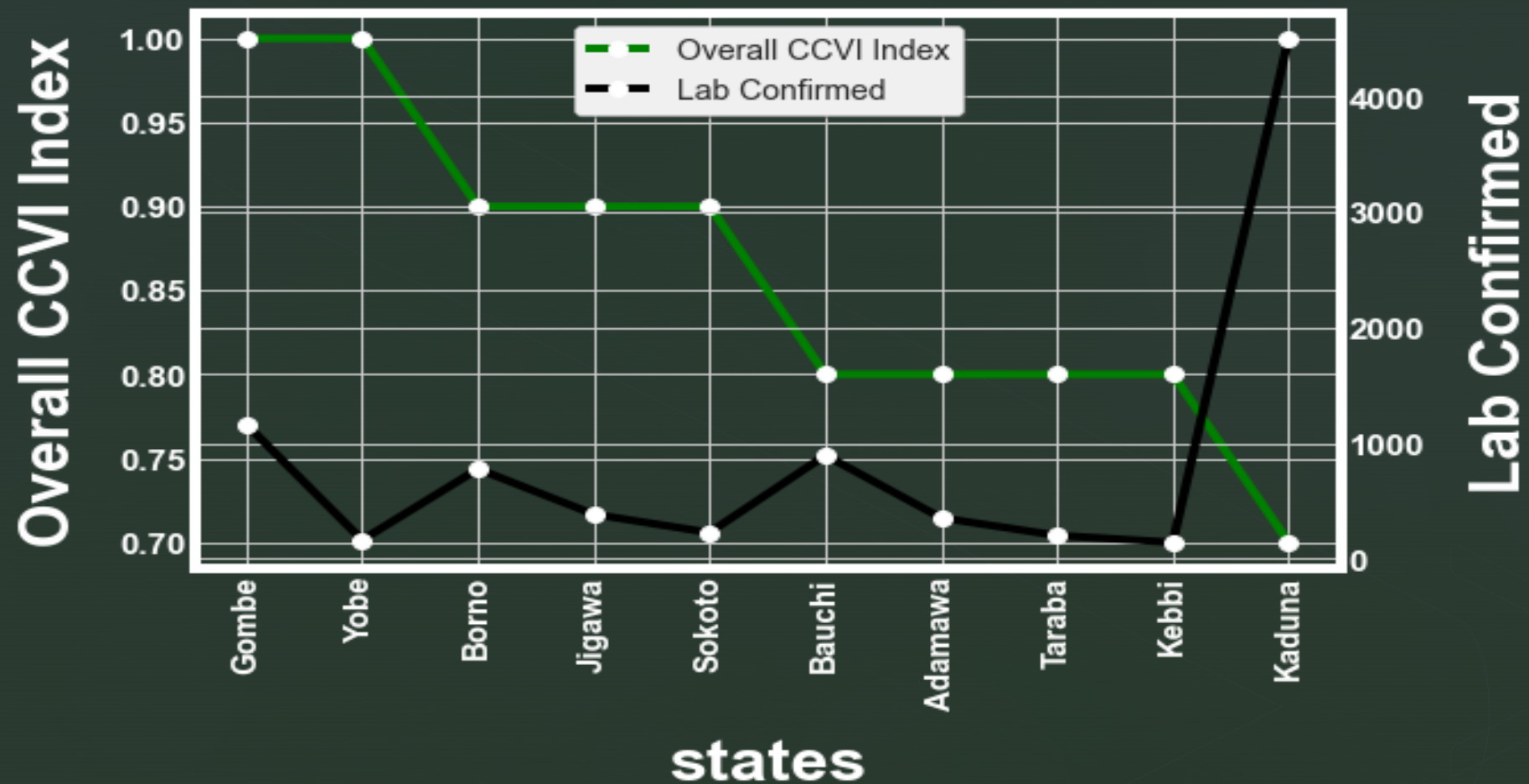
- The daily death cases increases gradually from January 2020 until January 2022.
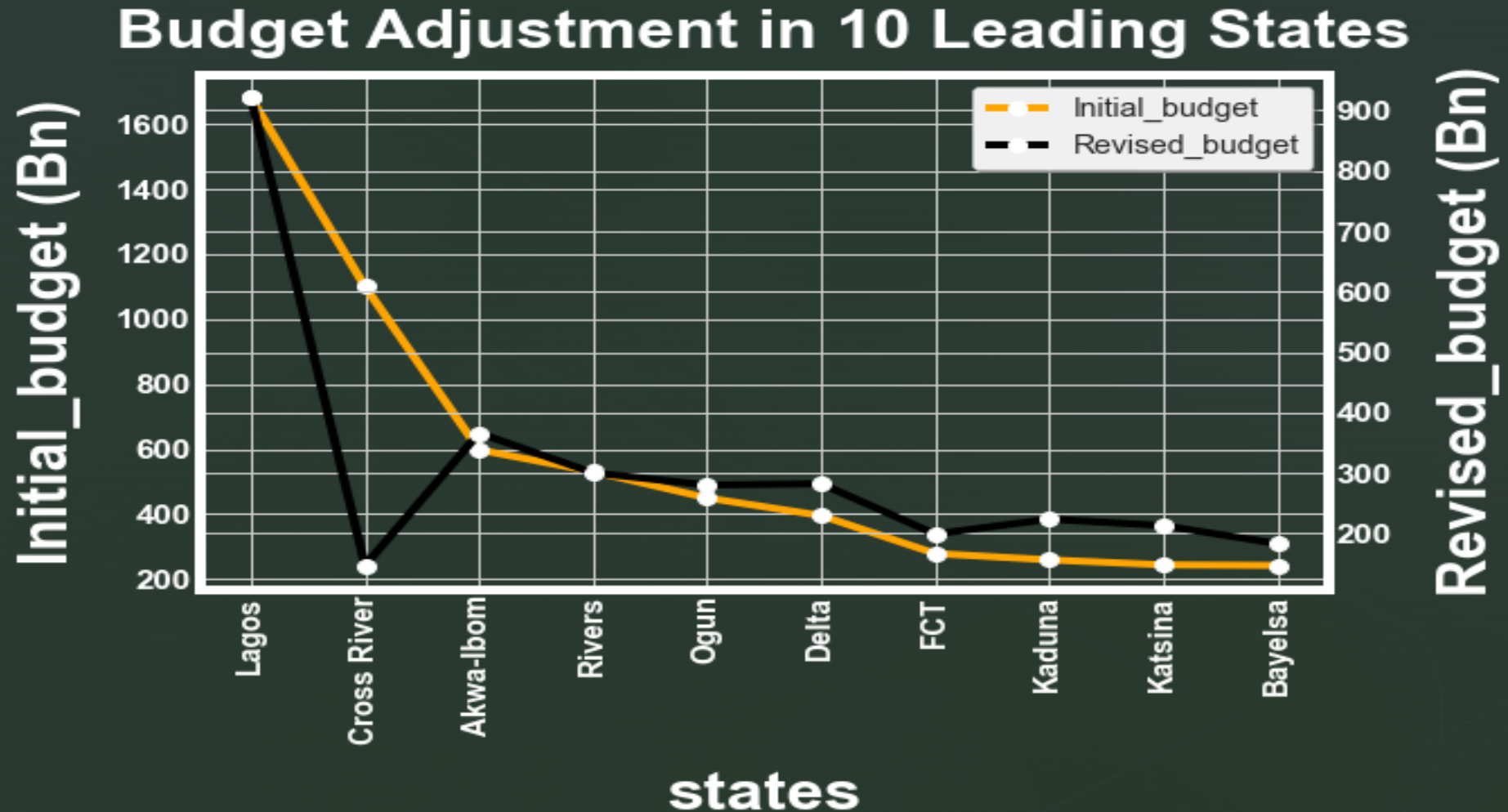This level was maintained till May 2023.

- The Daily Infection Rate was over 6000 cases. And this happened in January 2022.
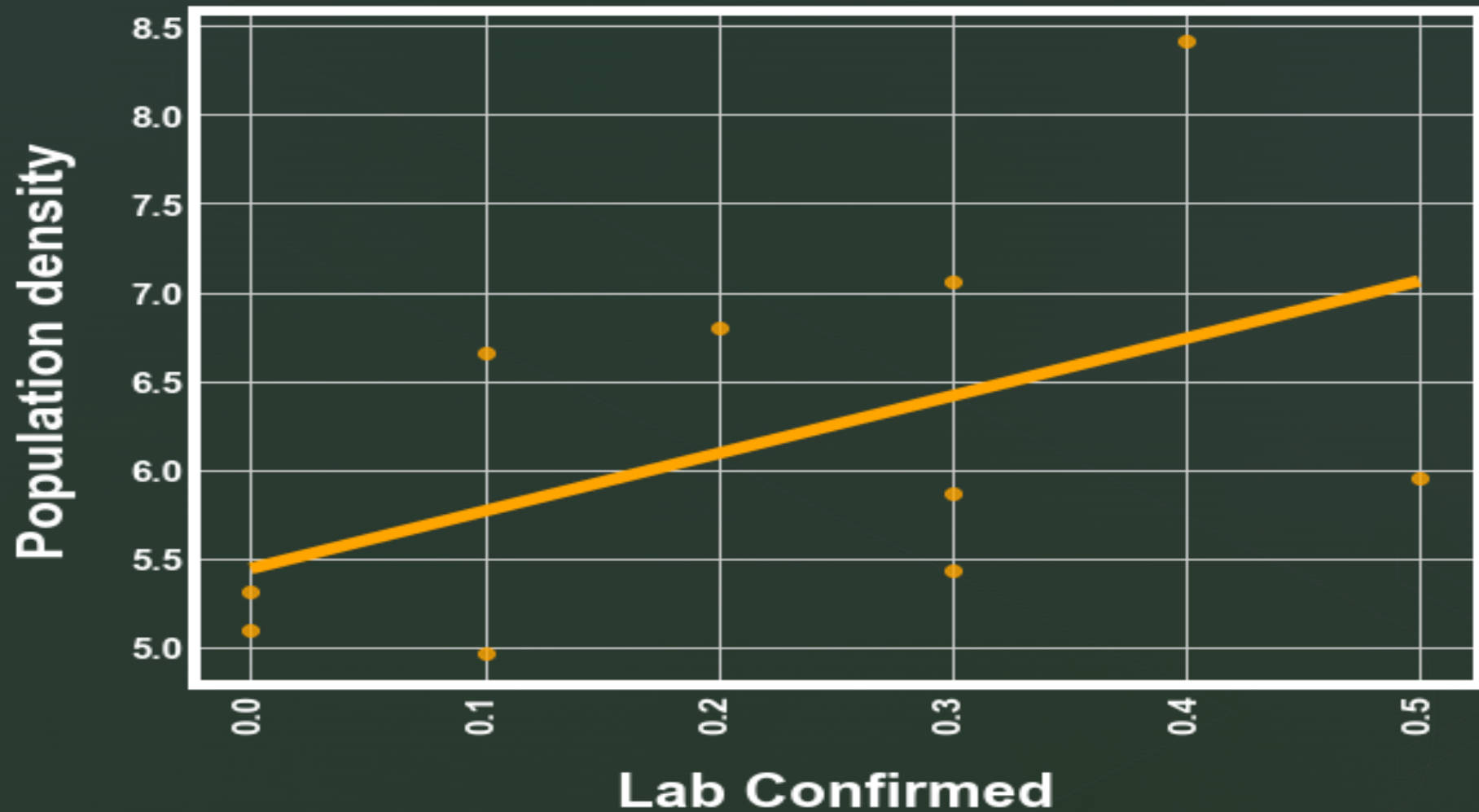
As the Overall Community Vulnerability Index (CCVI) decreases, Laboratory Confirmed Cases surge.

- The initial budgets of States were revised and reduced due to the effects of covid-19.
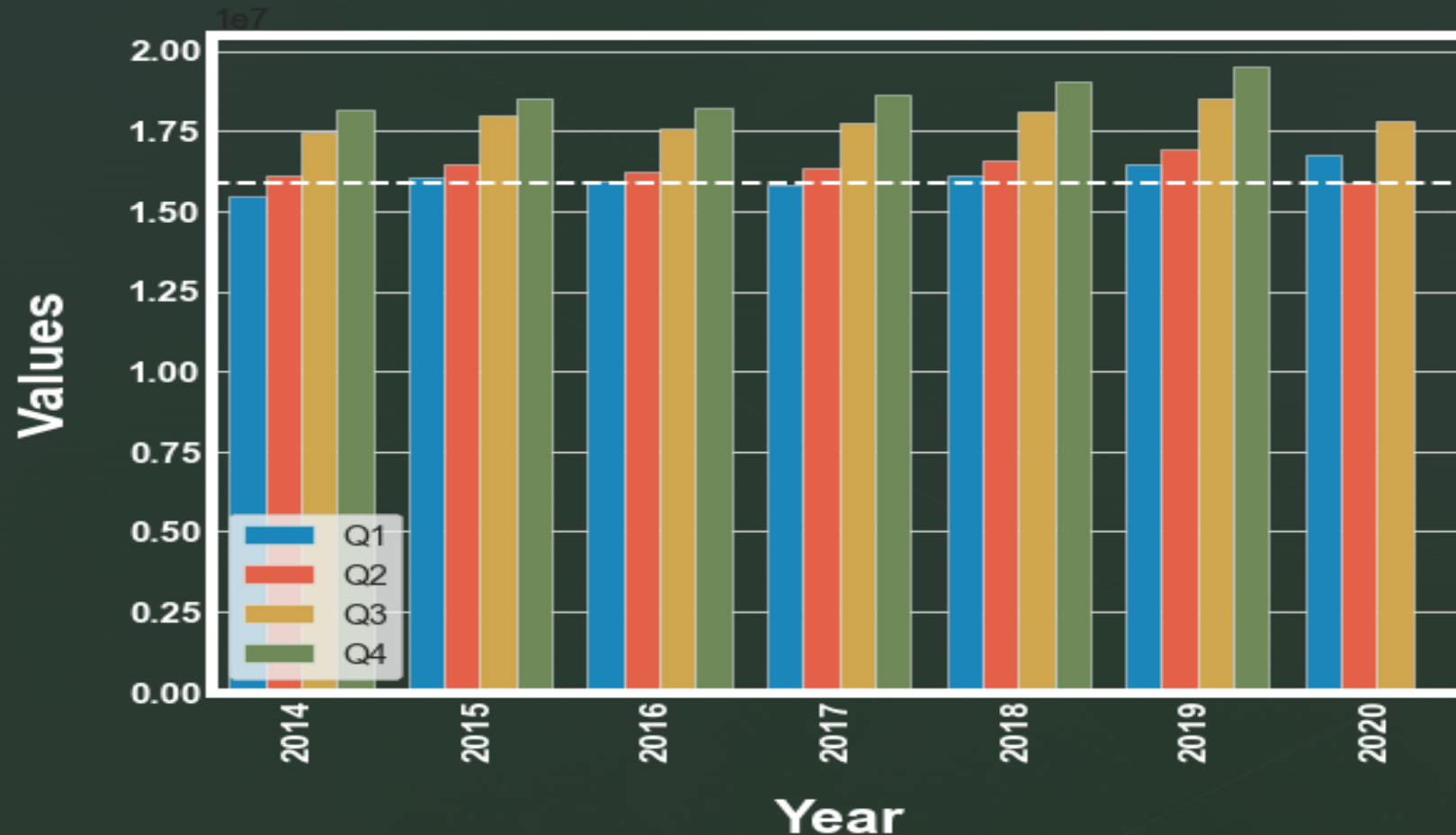And this had adverse effects on the economy.

Budget Adjustment in 10 Leading States

As Population density increases(the denser the population density), more people were
infected with covid-19 virus

The Real GDP Values were healthy before Q2 2020. And there was no Real GDP Values at all in Q4 2020.

Conclusion:

- All the datasets obtained from different sources analyzed for this project pointed to Lagos State as the one seriously hit by covid-19. And since it is the powerhouse of Nigeria's economy, many business activities paralyzed due to lockdown of various agencies such as airports,

- seaports, markets, schools, federal and state government parastatals etc.