

# The Impact Of COVID-19 In Global Economy

This project is part of Data Science Bootcamp under the supervision of SDA and Coding Dojo

## ☐ Introduction:

“This pandemic is exceedingly a health crisis but social and economic crises due to the effects it has had on lives and economies at large. Moreover, the pandemic’s impact would be heterogeneous from country to country, and it is likely to widen inequalities and poverty globally”.

## ☐ Motivation:

To study and understand the Impact of the Covid-19 Pandemic on the Global Economy, and how it has changed throughout one year.

## ☐ Machine Learning Workflow:

To predict the GDP per capita, we used data preprocessing, feature selection, and data modeling.

## ☐ Results:

The LinearRegression model predicts the GDP per capita during Covid-19, the R2 Score, Mean Absolute Error and RMSE of predictions are 0.92, 0.24 and 0.49 respectively. Model finding that most of the predictions similarly to the results.

R2 Score: 0.9261595229666666  
MAE Score: 0.24024068441233046  
RMSE Score: 0.49014353450018133

## ☐ Conclusion and improvement:

To sum up, gathering more data is leading us to improve model performance. Moreover, to obtain outcomes even better, we will try to obtain more data from the previous 5 years to compare the GPD per Capita before and after this global pandemic.

## ☐ Tools:

