Name: Yashwanth Reddy Varala

Student Id: 22018704

Subject: Applied Data Science

Assessment 1: Visualisation

GITHUB Repository :

https://github.com/Varala9014/Applied_Data_science_1.git

Data Set Reference Links:

LinePLot:

https://databank.worldbank.org/indicator/NE.EXP.GNFS.ZS/1ff4a498/Popular-Indicators#

BarPlot:

https://databank.worldbank.org/indicator/NE.EXP.GNFS.ZS/1ff4a498/Popular-Indicators#

PiePlot:

https://databank.worldbank.org/indicator/NE.EXP.GNFS.ZS/1ff4a498/Popular-Indicators#

IMAGE 1: Industry (Including construction), Value added (%of GDP)

The line plot aids in analysing the relationship between variables, and the graph may be understood utilising the frequency patterns that are shown in the data set.
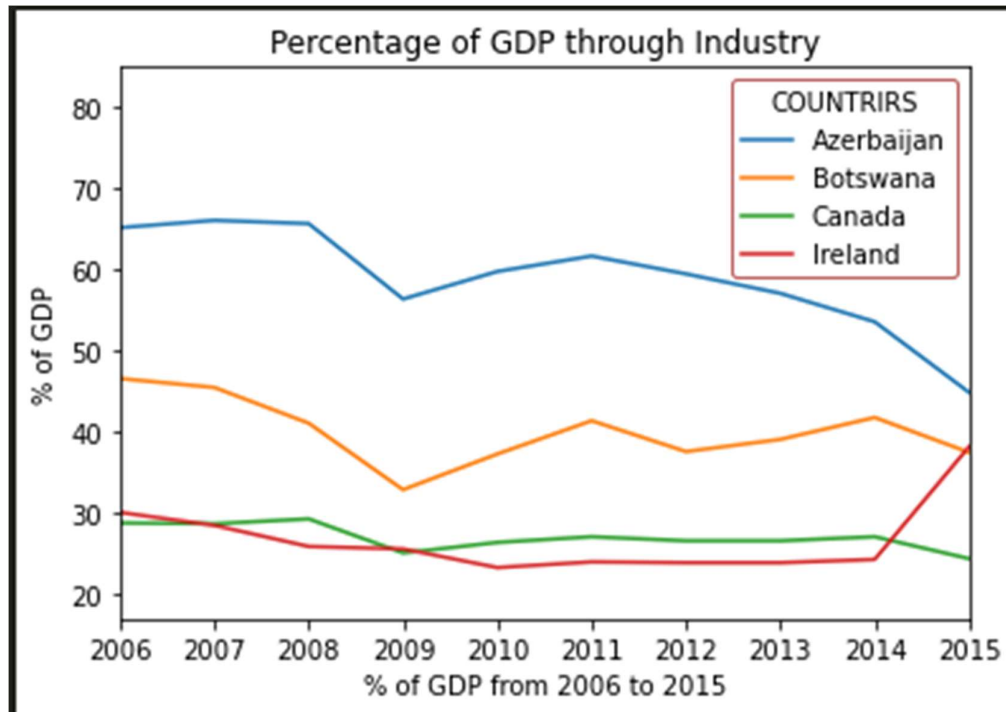

This Chart is way to represent value addition of GDP and Industry

The Industry Value addition % of GDP per Azerbaijan Constantly decreasing from 2011 to 2015. And In case of Botswana industry GDP, it is fluctuating. Canada growth is decreasing over the last year i.e., from 2014 to 2015. GDP of Ireland is same level from 2010 to 2014 and from 2014 endlessly increased.

IMAGE 2 : Export of Goods and Services % in GDP

It is common practise to visualise the relationship between a numerical and a categorical variable using a grouped bar plot or grouped bar chart. Each categorical variable object is displayed as a bar. The bar's width translates the number's numerical value.
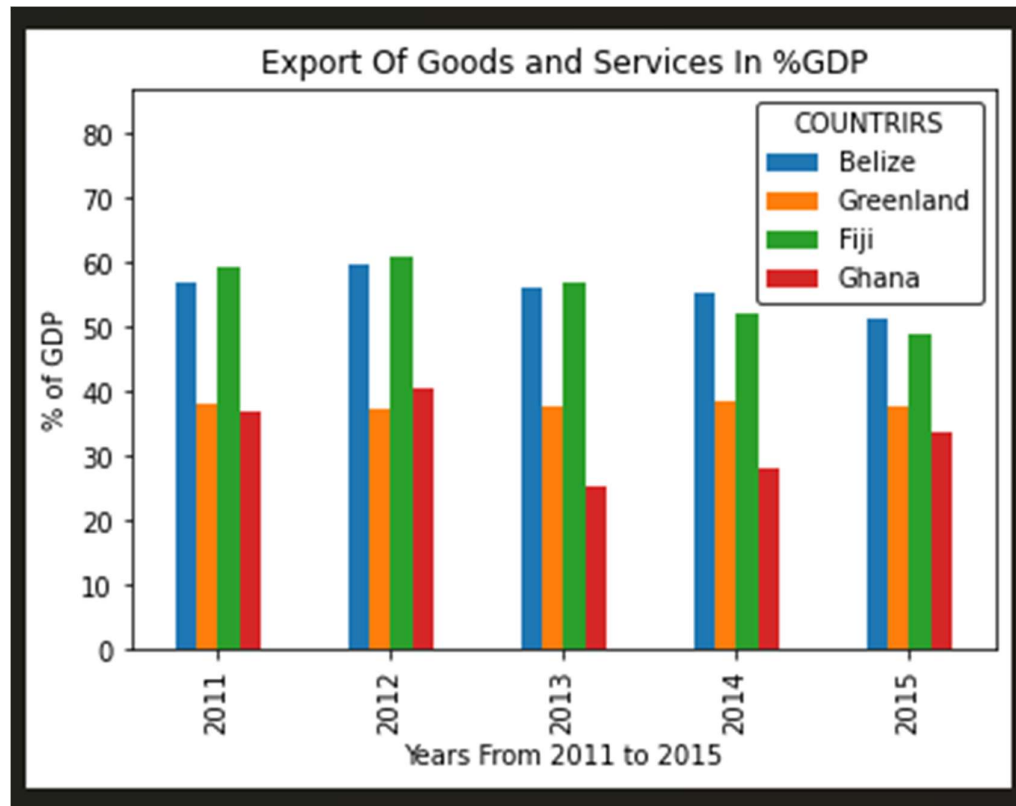

Above Bar chart represents transactions of Goods & Services in % GDP in different countries and its growth variations is visualised in the form of chart.

In the observation of chart, we can notice that Belize and Fiji GDP are decreasing endlessly. Greenland is Constant in its place it doesn't have any fluctuations. In case of Ghana, it is more often fluctuating.
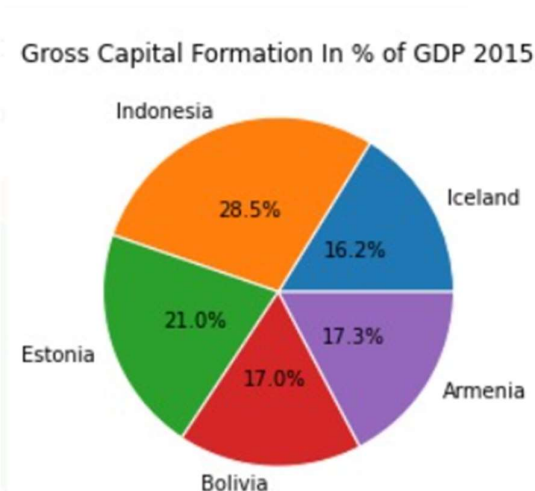
IMAGE 3 : Gross Capital Formation in % of GDP

Circular statistical plots are frequently used to depict the change using pie graphs. In a pie chart, each pie (slice) represents data as a percentage, with greater values taking up the largest slices.

GDP in 2005

Gross Capital Formation In % of GDP 2005

GDP in 2015
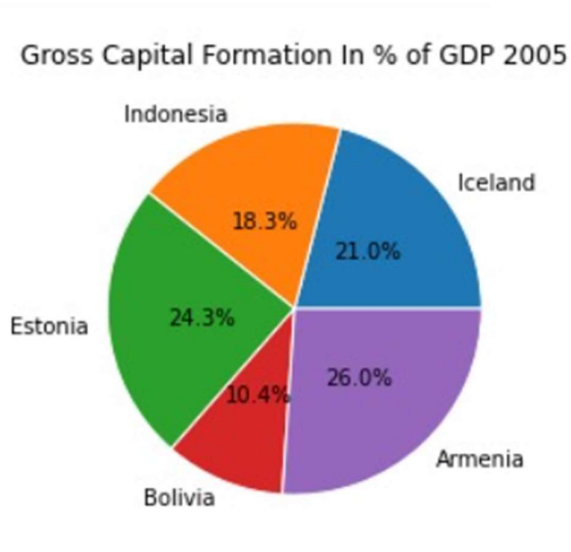
Gross Capital Formation In % of GDP 2015

The above Pie diagrams are quality way explain Gross capital formation in % of GDP.

Capital formation essentially leads to more money swirling around the economy. Indonesia occupied and extended its capital formation and it has

a good form of increment in its Capital formation. In other countries due to there economies capital formation is decreased.