Data Science EDA and Preliminary Data Preprocessing Steps

World GDP Dataset

August 6, 2024

Data Preprocessing

1. Are there any null values? If so, either chose to remove them completely or fill them in. Provide your reasoning.
2. Is the data uniform? Ex. Are there any weird periods or quotation marks in them? If so, modify the data.
3. Do the data types match the value they represent? Ex. Are integers shown as objects? If so, modify the data accordingly.

Exploratory Data Analysis

1. How many unique countries do we have in the dataset?
2. How many years of data do we have for India?
3. What is the WORLD GDP in 1969?
4. Whats the % of GDP growth of India in Year 1994 (*as compare to 1993)?
5. Find the GDP growth of India from 1960-2016 and create a graph.
6. Create a new column named GDP which shows the GDP growth of each country for that year compared to the previous year.
7. Find the GDP by country name in descending order. (Hint: use the function "groupby")