CSV Data Analysis & Visualization

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world_population.csv 16.1KB

Dataset Overview

Number of rows: 170

Number of columns: 13

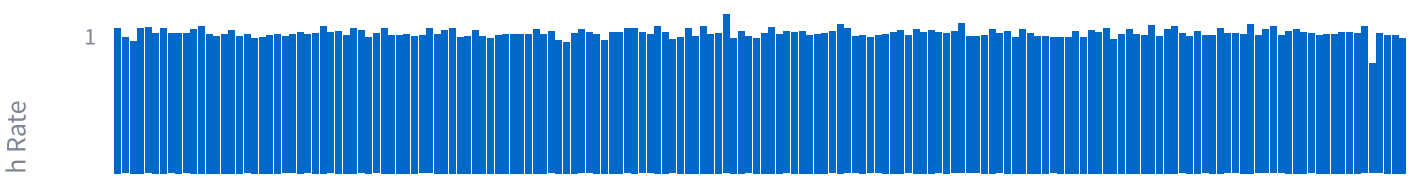
Preview of Data

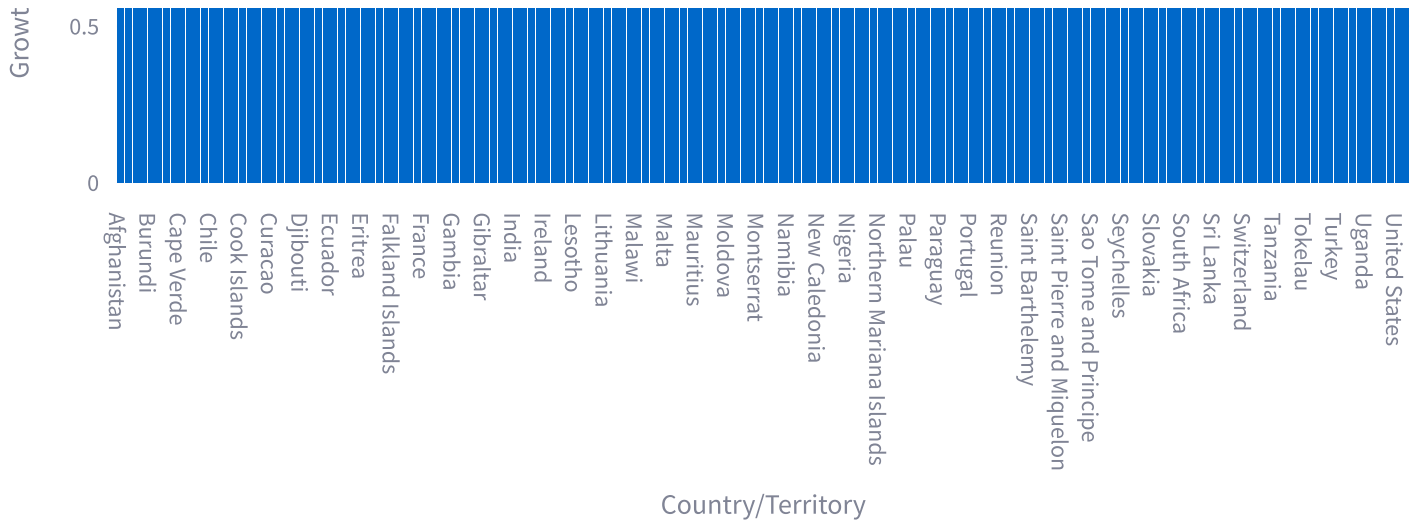
	Rank	Country/Territory	Continent	2020 Population	2015 Population	2010 Population	2000 Popul
0	36	Afghanistan	Asia	38,972,230	33,753,499	28,189,672	19,54
1	138	Albania	Europe	2,866,849	2,882,481	2,913,399	3,18
2	108	Bulgaria	Europe	6,979,175	7,309,253	7,592,273	8,09
3	58	Burkina Faso	Africa	21,522,626	18,718,019	16,116,845	11,88
4	78	Burundi	Africa	12,220,227	10,727,148	9,126,605	6,30

Visualization 1

```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.bar(df, x='Country/Territory', y='Growth Rate', title='Growth Rate Trend
```

Observation: Countries such as Afghanistan and Burkina Faso have a growth rate above 1.0, indicating positive population growth. Countries like Bulgaria and Ukraine have a growth rate below 1.0, indicating negative population growth.

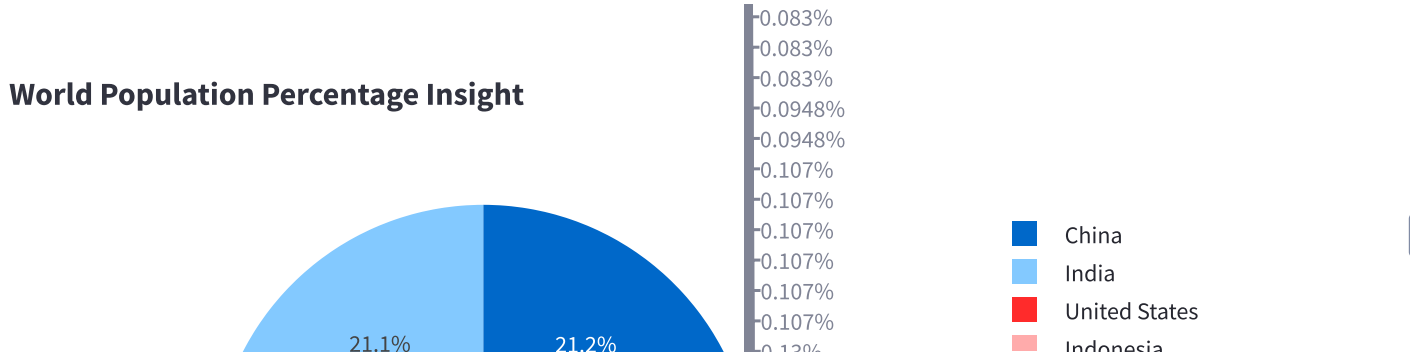


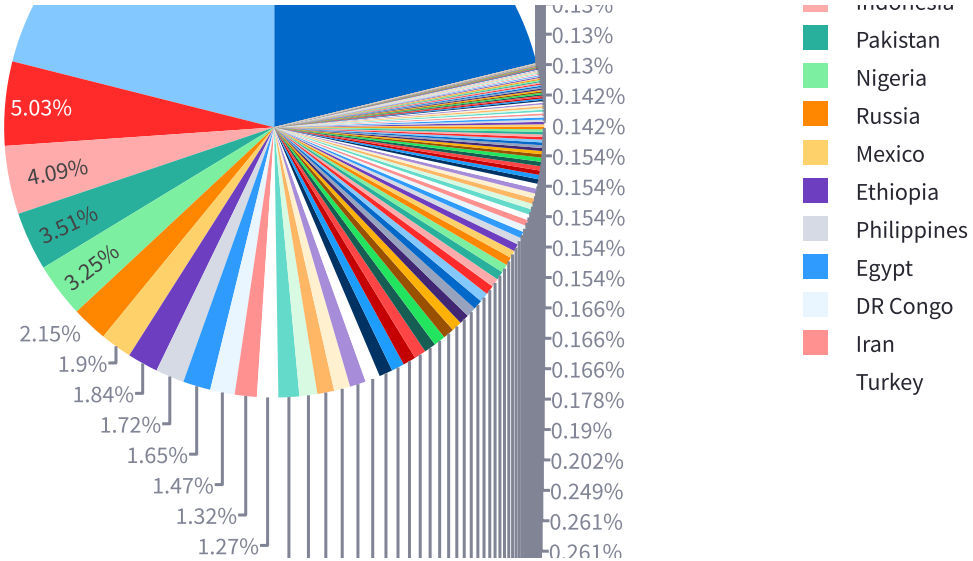


Visualization 2

```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.pie(df, values='World Population Percentage', names='Country/Territory',
```

Observation: The United States holds 4.24% of the world's population. Countries like Burundi and Albania hold around 0.16% and 0.04% respectively, which is comparatively lower.

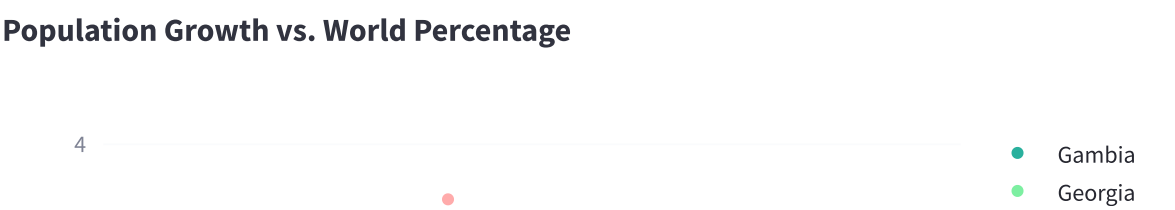


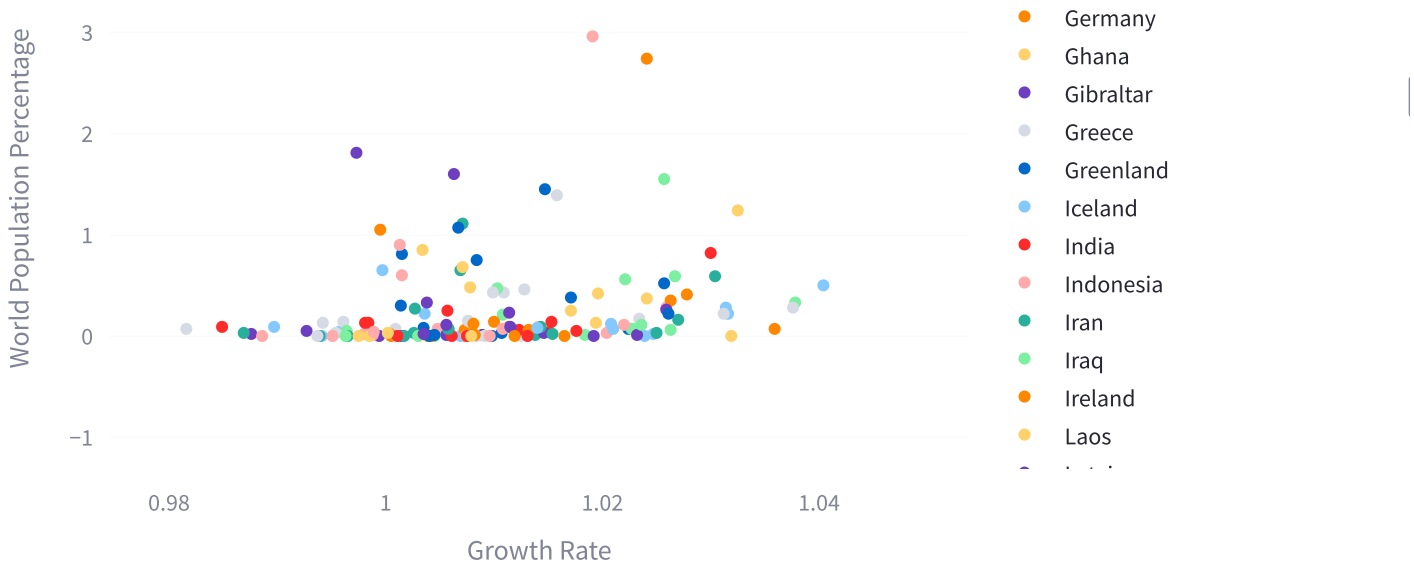


Visualization 3

```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.scatter(df, x='Growth Rate', y='World Population Percentage', color='Coun
```

Observation: There is no direct correlation between the growth rate and the world population percentage for these countries. Countries with high growth rates do not necessarily have a high world population percentage.




World Population Percentage
3
2
1
0
−1
0.98
1
1.02
1.04
Growth Rate
Germany
Ghana
Gibraltar
Greece
Greenland
Iceland
India
Indonesia
Iran
Iraq
Ireland
Laos