

Assignment 5

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```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
wdi = pd.read_csv("/Users/riakrishna/Desktop/EmoryJuniorFall/QT350/assignment5/wdi.csv")
```

```
top_five_gdp = wdi[["country", "gdp_per_capita"]].sort_values(by="gdp_per_capita", ascending=False)
print(top_five_gdp)
```

	country	gdp_per_capita
130	Monaco	240862.182448
114	Liechtenstein	187267.132381
116	Luxembourg	125006.021815
21	Bermuda	123091.123516
147	Norway	108798.451166

This shows the five countries with the highest GDP per capita. The countries Monaco, Liechtenstein, Luxembourg, Bermuda, and Norway.

```
inflation_mean = print(wdi["inflation_rate"].mean())
```

12.49393593294422

This shows the mean inflation rate, which is 12.49.

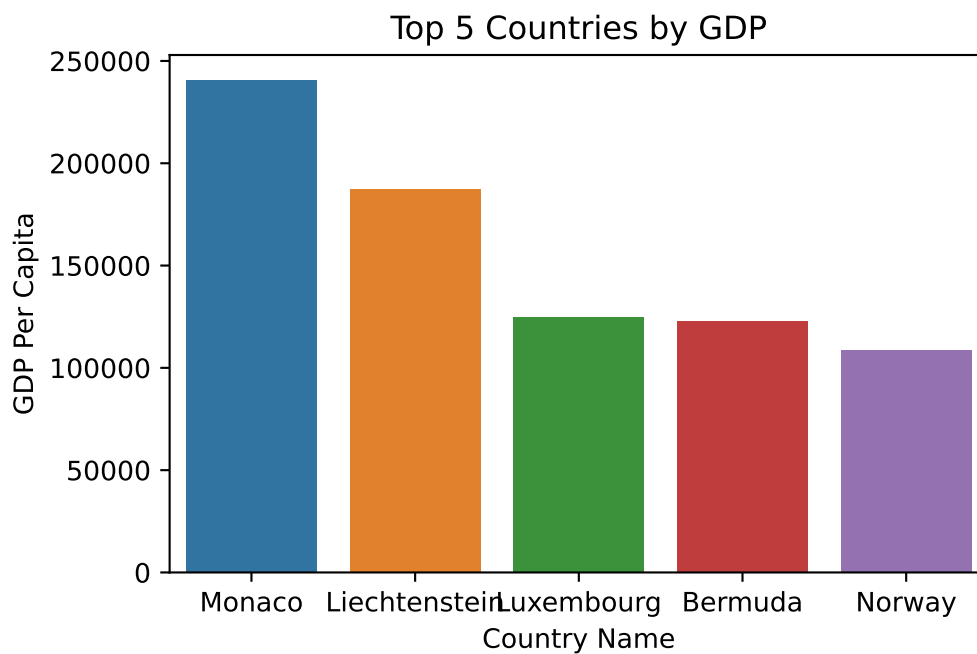
```
lowest_five_life_expectancy = wdi[["country", "life_expectancy"]].sort_values(by="life_expectancy", ascending=False)
print(lowest_five_life_expectancy)
```

	country	life_expectancy
38	Chad	52.997
111	Lesotho	53.036
144	Nigeria	53.633
37	Central African Republic	54.477
178	South Sudan	55.567

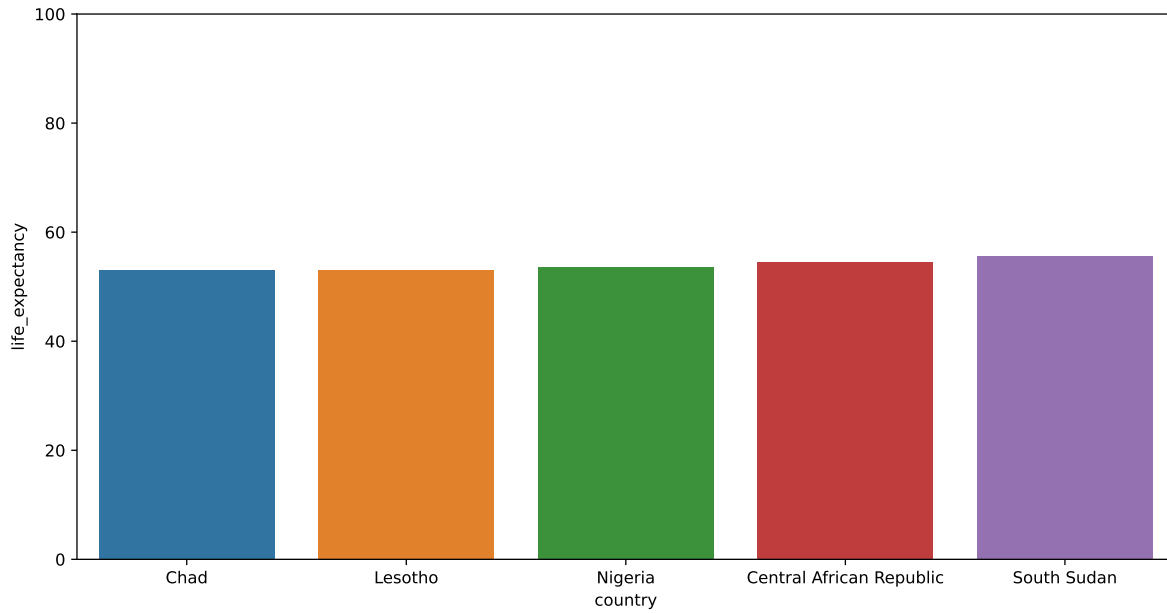
This shows the five countries with the lowest life expectancy, which are Chad, Lesotho, Nigeria, Central African Republic, and South Sudan.

```
sns.barplot(x="country", y="gdp_per_capita", data = top_five_gdp)
plt.title("Top 5 Countries by GDP")
plt.xlabel("Country Name")
plt.ylabel("GDP Per Capita")
```

```
Text(0, 0.5, 'GDP Per Capita')
```



```
plt.figure(figsize=(12,6))
sns.barplot(x="country", y="life_expectancy", data = lowest_five_life_expectancy)
plt.ylim(0,100)
```



Country	GDP Per Capita	Life Expectancy
Monaco	240862	
Liechtenstein	187267	
Luxembourg	125006	
Bermuda	123091	
Norway	108798	
Chad		52.997
Lesotho		53.036
Nigeria		53.633
C.A.R.		54.477
South Sudan		55.567

This report shows some key insights from the WDI dataset. The findings show the countries with the highest GDP per capita, and the countries with the lowest life expectancy