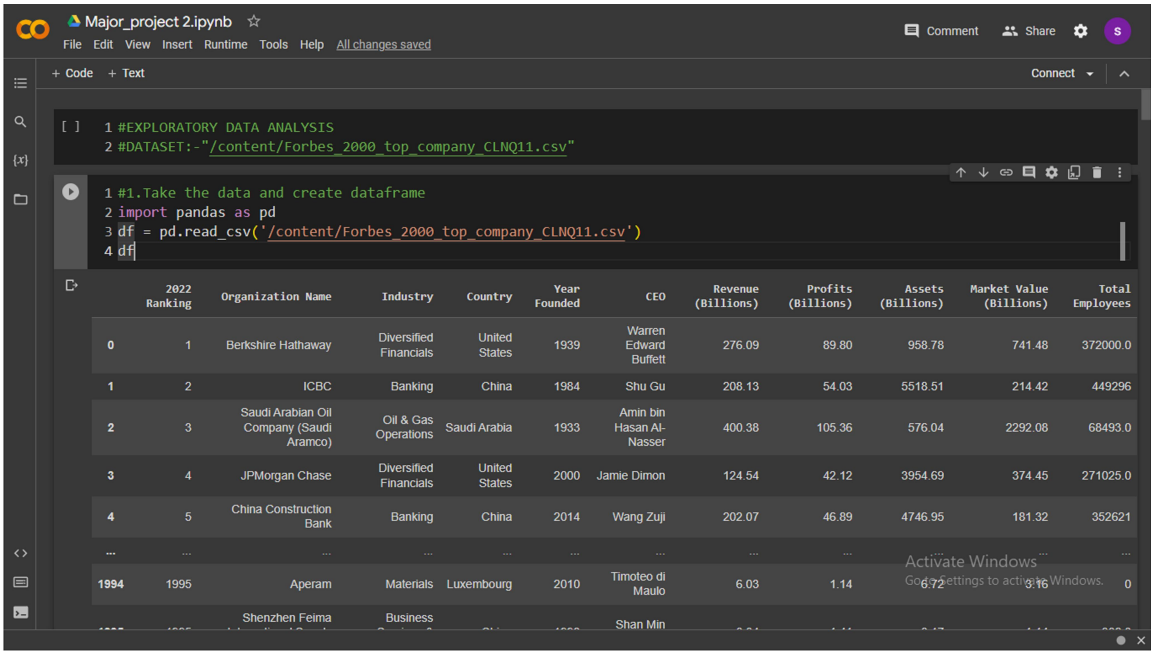
Name: Shubham Sanjay Pandharpatte

College: Pune Institute of Computer Technology, Pune

Year:2nd Year



	2022 Ranking	Organization Name	Industry	Country	Year Founded	CEO	Revenue (Billions)	Profits (Billions)	Assets (Billions)	Market Value (Billions)	Total Employees
0	1	Berkshire Hathaway	Diversified Financials	United States	1939	Warren Edward Buffett	276.09	89.80	958.78	741.48	372000.0
1	2	ICBC	Banking	China	1984	Shu Gu	208.13	54.03	5518.51	214.42	449296
2	3	Saudi Arabian Oil Company (Saudi Aramco)	Oil & Gas Operations	Saudi Arabia	1933	Amin bin Hasan Al-Nasser	400.38	105.36	576.04	2292.08	68493.0
3	4	JPMorgan Chase	Diversified Financials	United States	2000	Jamie Dimon	124.54	42.12	3954.69	374.45	271025.0
4	5	China Construction Bank	Banking	China	2014	Wang Zuji	202.07	46.89	4746.95	181.32	352621
...	...	...	...	...	...	...	...	...	...	...	...
1994	1995	Aperam	Materials	Luxembourg	2010	Timoteo di Maulo	6.03	1.14	6.72	3.16	0
		Shenzhen Feima	Business			Shan Min					

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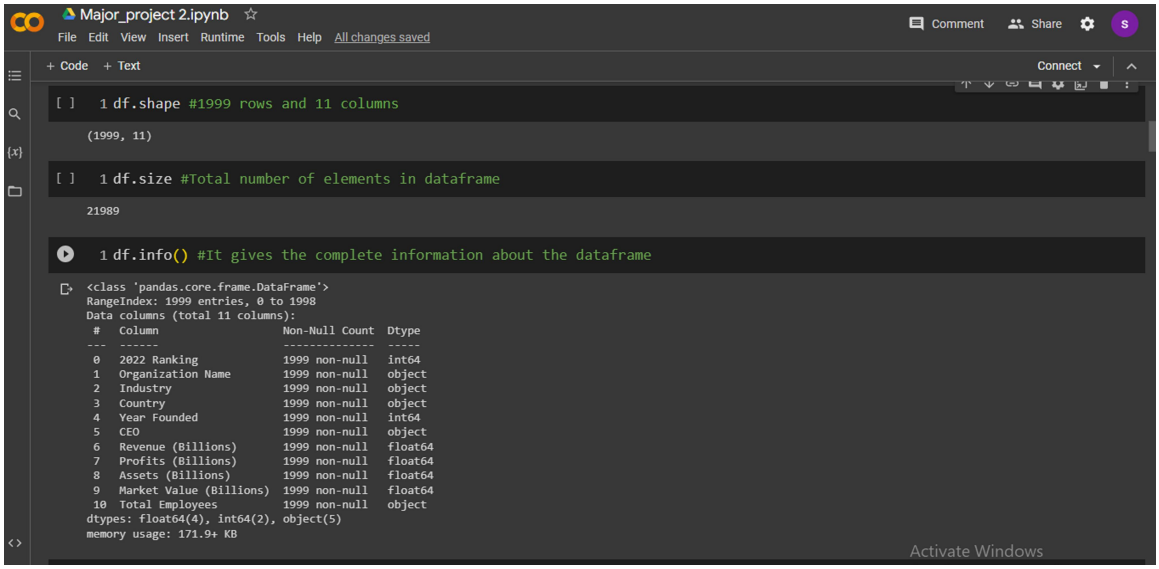

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```
# To check the null values officially
df.isnull().sum()
```

```
2022 Ranking              0
Organization Name         0
Industry                  0
Country                   0
Year Founded              0
CEO                       0
Revenue (Billions)        0
Profits (Billions)        0
Assets (Billions)         0
Market Value (Billions)   0
Total Employees           0
dtype: int64
```

```
#I want to find out the exact count of unique elements in each and every column
df.nunique()
```

```
2022 Ranking              1684
Organization Name         1999
Industry                    29
Country                     57
Year Founded               214
CEO                       1963
Revenue (Billions)        1587
Profits (Billions)         688
Assets (Billions)         1790
Market Value (Billions)   1665
Total Employees           1748
```

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```
#VISUALISATION - SEABORN
#THIS VISUALISATION TELLS US ABOUT THE NUMBER OF PEOPLE SURVIVED and NOT SURVIVED
import seaborn as sns
import matplotlib.pyplot as plt#import the library
plt.figure(figsize=(15,15))
sns.histplot(x = 'Year Founded',data = df)
plt.title('Year Founded')
plt.show()
```

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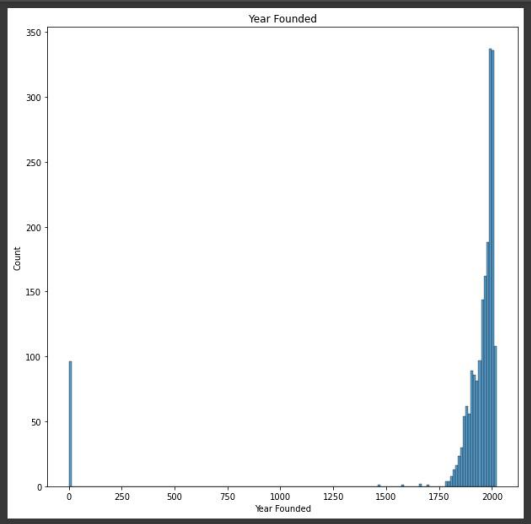

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```
import seaborn as sns
import matplotlib.pyplot as plt#import the library
plt.figure(figsize=(15,15))
sns.countplot(x = 'Country',data = df)
plt.xticks(rotation=90)
plt.title('Number of Companies from all country ')
plt.show()

```

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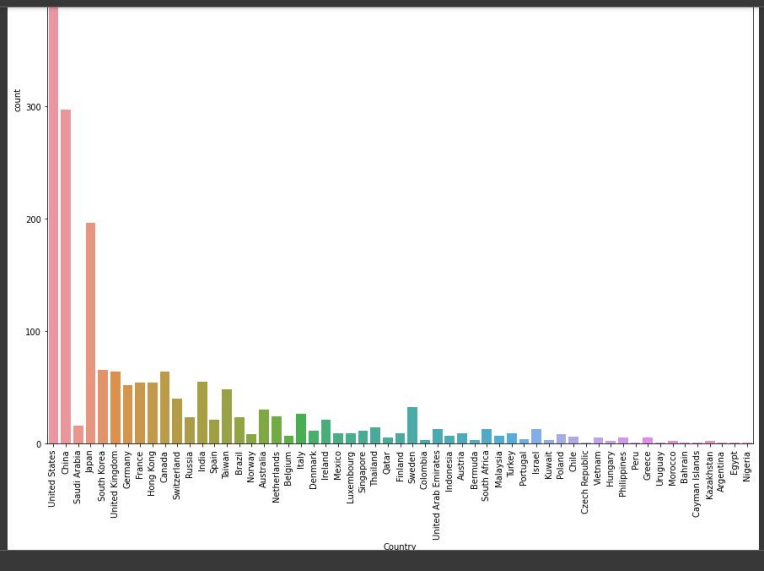

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```
#Exact count of number of companies of each countries in list
df['Country'].value_counts()
```

```
United States          584
China                  297
Japan                  196
South Korea             65
United Kingdom          64
Canada                  64
India                   55
France                  54
Hong Kong               54
Germany                 52
Taiwan                  48
Switzerland             40
Sweden                  32
Australia               30
Italy                   26
Netherlands             24
Brazil                  23
Russia                  23
Spain                   21
Ireland                 21
Saudi Arabia            16
Thailand                14
Israel                  13
South Africa            13
United Arab Emirates    13
Denmark                 11
Singapore               11
Turkey                   9
Austria                  9
Finland                  9
Luxembourg               9
Mexico                   9
Poland                   8
```

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```
1 #Exact count of number of  companies of each industry in list
2 df['Industry'].value_counts()
```

```
Banking                           289
Diversified Financials            146
Construction                      127
Materials                         117
Oil & Gas Operations              106
Insurance                         105
Consumer Durables                  89
Utilities                          83
Business Services & Supplies       82
Chemicals                          75
IT Software & Services             73
Food, Drink & Tobacco              73
Transportation                     70
Retailing                          69
Drugs & Biotechnology              67
Capital Goods                      59
Technology Hardware & Equipment    56
Health Care Equipment & Services   44
Telecommunications Services        43
Trading Companies                  37
Semiconductors                     35
Household & Personal Products      33
Conglomerates                      29
Food Markets                       26
Media                              25
Hotels, Restaurants & Leisure      19
Aerospace & Defense                18
Food & Drink                        2
Automotive                          2
Name: Industry, dtype: int64
```

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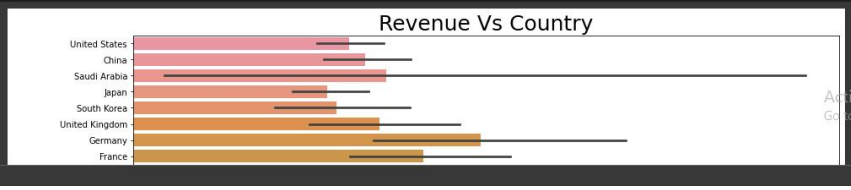
```
[ ] 1 #Exact count of number of  companies in particular year in list
    2 df['Year Founded'].value_counts()
```

```
0       96
1997    55
1998    40
1994    37
1996    37
        ..
2021     1
1806     1
2022     1
1831     1
1861     1
Name: Year Founded, Length: 214, dtype: int64
```

```
1 plt.figure(figsize=(15,20))
2 sns.barplot(data=df, x = "Revenue (Billions)", y = "Country")
3 plt.title('Revenue Vs Country',fontsize=25)
4 plt.xlabel("Revenue (Billions)", fontsize=25)
5 plt.ylabel("Countries", fontsize=25)
6 plt.show()
```



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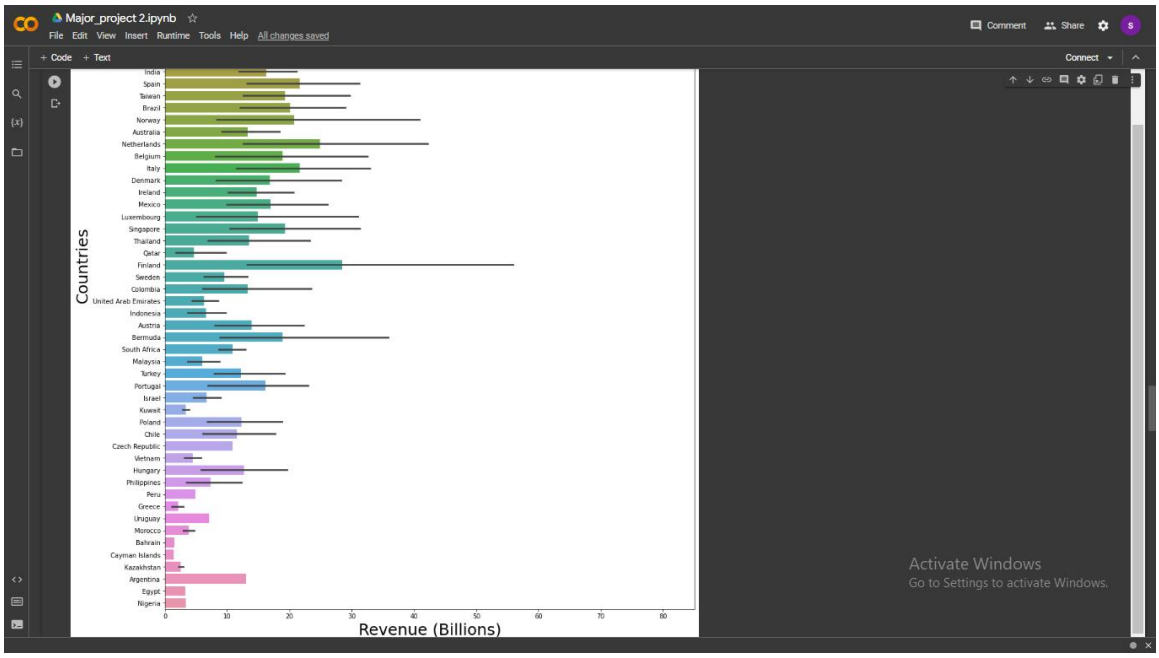
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Countries
Revenue (Billions)
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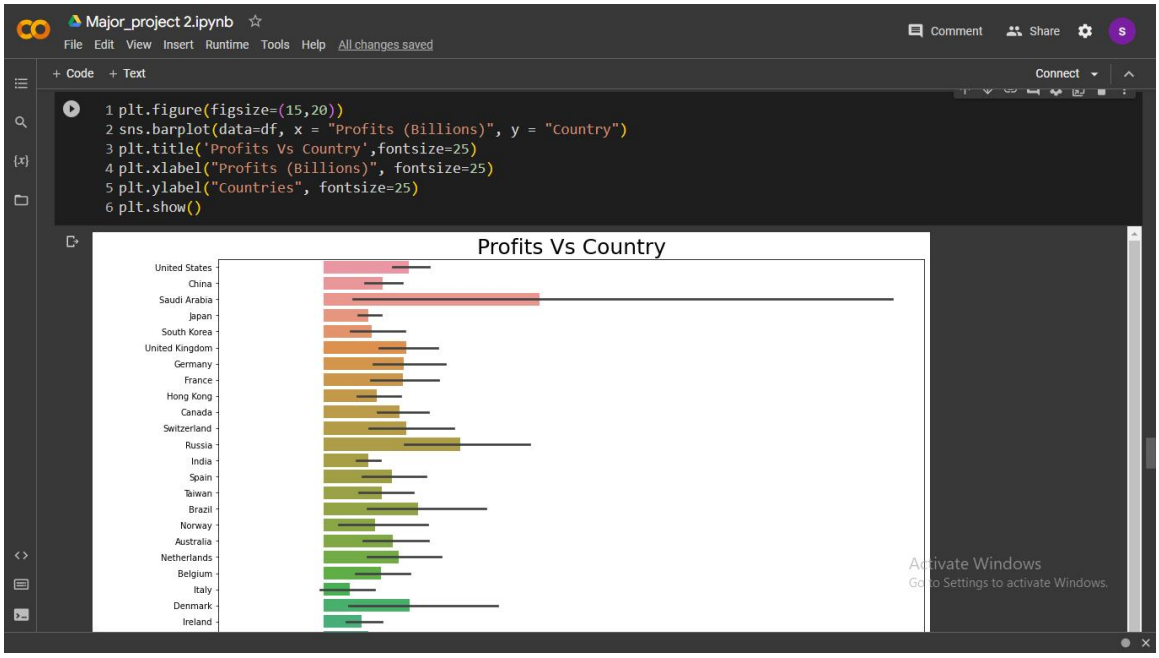
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1 plt.figure(figsize=(15,20))
2 sns.barplot(data=df, x = "Profits (Billions)", y = "Country")
3 plt.title('Profits Vs Country',fontsize=25)
4 plt.xlabel("Profits (Billions)", fontsize=25)
5 plt.ylabel("Countries", fontsize=25)
6 plt.show()
Profits Vs Country
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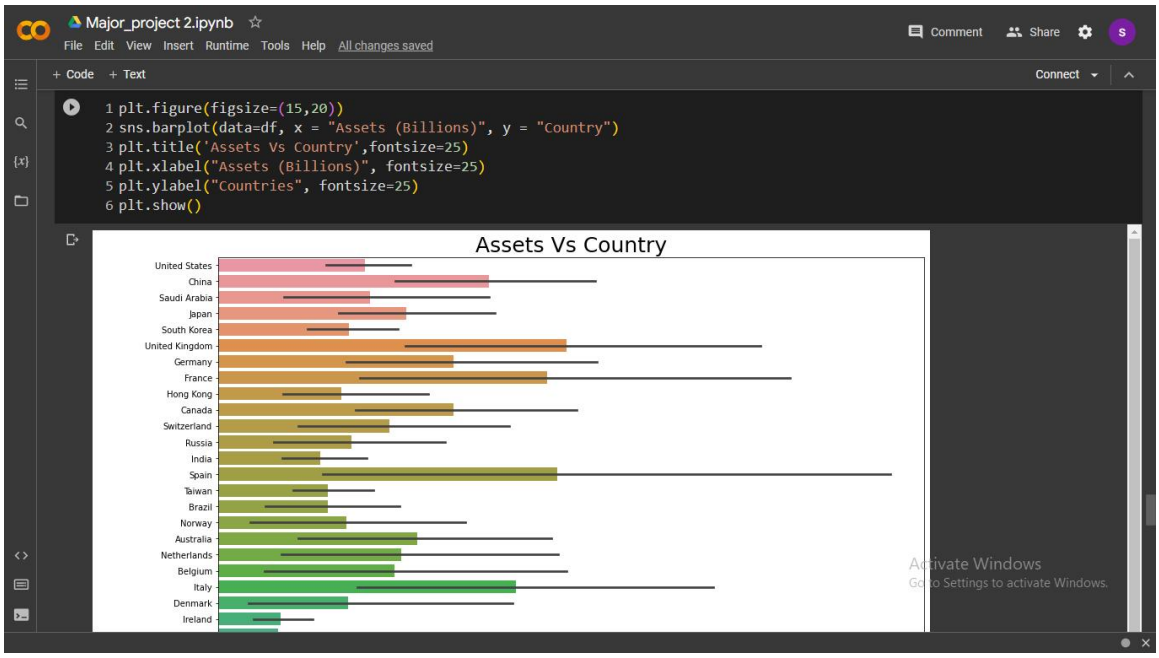

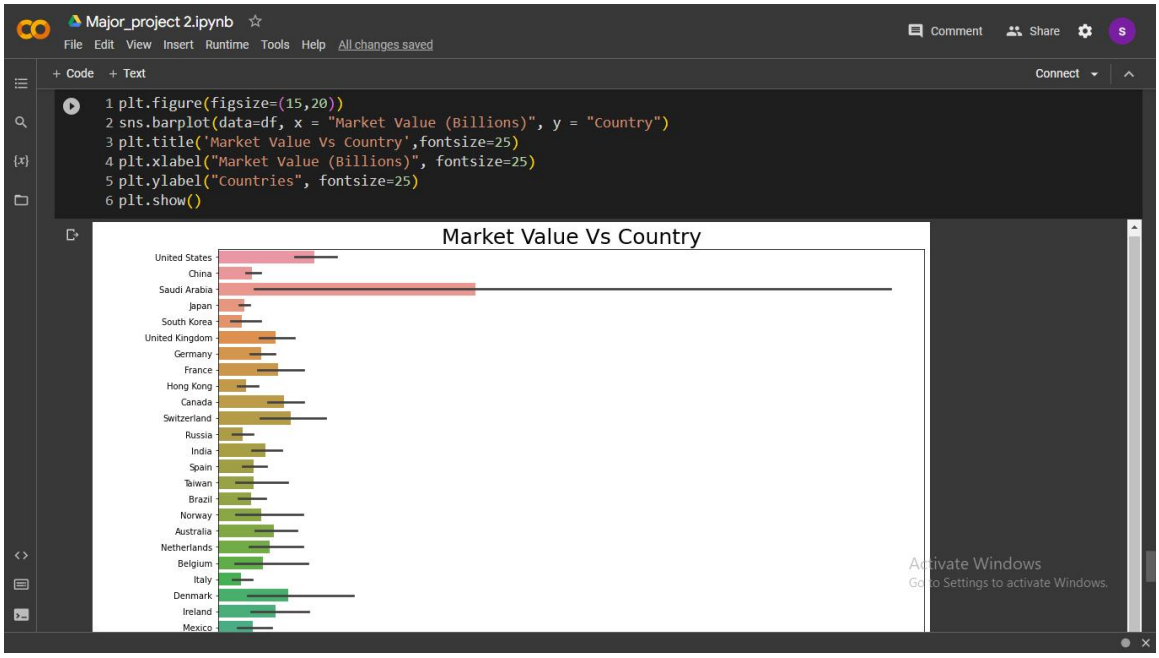

Github Link: https://github.com/shubhampandharpatte/Majorproject.git