

world-startups-2021

May 18, 2022

1 Top Startup Statistics 2021

1.1 Installing Required Libraries

- 1] Numpy
- 2] Pandas
- 3] Matplotlib
- 4] Seaborn
- 5] Jovian

Install all the Libraries Before Starting Your Project

```
[1]: !pip install jovian --upgrade --quiet
```

```
[2]: import jovian
```

```
[3]: # Execute this to save new versions of the notebook
jovian.commit(project="world-startups-2021")
```

<IPython.core.display.Javascript object>

[jovian] Updating notebook "shrey2627/world-startups-2021" on
<https://jovian.ai>

[jovian] Committed successfully! <https://jovian.ai/shrey2627/world-startups-2021>

```
[3]: 'https://jovian.ai/shrey2627/world-startups-2021'
```

```
[4]: project_name = "World-Startups"
```

```
[5]: import numpy as np
import pandas as pd
import matplotlib
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline
```

```
[6]: import warnings
warnings.filterwarnings('ignore')
```

1.2 Getting Dataset

Here I am taking dataset from Kaggle

<https://www.kaggle.com/datasets/khaiid/startups-by-valuation>

```
[7]: data_df = pd.read_csv("startups.csv")
```

1.3 Reading Dataset

Lets go through the entire dataset

```
[8]: data_df
```

```
[8]:
```

| | Company | Valuation | Valuation_date | Industry \ |
|-----|--------------|-----------|----------------|-------------------------|
| 0 | ByteDance | 140.00 | April-21 | Internet |
| 1 | SpaceX | 100.00 | October-21 | Aerospace |
| 2 | Stripe | 95.00 | March-21 | Financial services |
| 3 | Klarna | 45.60 | June-21 | Fintech |
| 4 | Canva | 40.00 | September-21 | Graphic design |
| .. | ... | ... | ... | ... |
| 245 | Bitso | 2.20 | May-21 | Cryptocurrency |
| 246 | Gympass | 2.20 | June-21 | NaN |
| 247 | Kurly | 2.20 | July-21 | E-commerce |
| 248 | Addepar | 2.17 | June-21 | Fintech |
| 249 | Eightfold.ai | 2.10 | June-21 | Artificial intelligence |

| | Country |
|-----|-------------------------|
| 0 | China |
| 1 | United States |
| 2 | United States / Ireland |
| 3 | Sweden |
| 4 | Australia |
| .. | ... |
| 245 | Mexico |
| 246 | Brazil / United States |
| 247 | South Korea |
| 248 | United States |
| 249 | United States |

[250 rows x 5 columns]

```
[9]: data_df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 250 entries, 0 to 249
Data columns (total 5 columns):
#   Column          Non-Null Count  Dtype
---
```

```

0   Company      250 non-null   object
1   Valuation    250 non-null   float64
2   Valuation_date 250 non-null   object
3   Industry     233 non-null   object
4   Country      250 non-null   object
dtypes: float64(1), object(4)
memory usage: 9.9+ KB

```

```
[10]: data_df.columns
```

```
[10]: Index(['Company', 'Valuation', 'Valuation_date', 'Industry', 'Country'],
dtype='object')
```

```
[11]: data_df.shape
```

```
[11]: (250, 5)
```

2 Data Cleaning and Transforming

Here we will perform some cleaning methods to remove Null values and change data types of columns.

Lets Clean Industry Column and fill the missing values.

```
[12]: data_df['Industry'].unique()
```

```
[12]: array(['Internet', 'Aerospace', 'Financial services', 'Fintech',
'Graphic design', 'Retail', 'Software', 'Video games',
'Cryptocurrency', 'Education technology', 'E-commerce',
'Technology', 'Financial Technology', 'Finance', 'Health', nan,
'Artificial intelligence', 'Batteries', 'Self-driving cars',
'Marketplace', 'Venture capital', 'Internet media',
'Computer software', 'Software as a service', 'Hospitality',
'Marketing', 'Software development', 'Robotics',
'Application security', 'Cloud security', 'Fantasy sports',
'Logistics', 'Virtual events', 'NFT', 'Computer security',
'Transportation', 'Travel', 'Robotic process automation',
'Healthcare', 'Real estate technology', 'Workforce management',
'Real estate', 'Cybersecurity', 'Collaborative software',
'Mass media', 'Data infrastructure', 'Health technology',
'Food delivery', 'Data governance', 'Ghost kitchen',
'Electronic Cigarettes', 'Flexible electronics',
'Defense Technology', 'Augmented Reality', 'Identity management',
'Human resource management', 'Consumer electronics', 'Sales',
'Blockchain', 'Data analytics', 'Software industry', 'Messaging',
'Interior design', 'Insurance', 'Real Estate',
'Wearable technology', 'Data storage', 'Computer storage',
'Mobile gaming', 'Electric vehicles', 'Education Technology',
```

```
'Educational technology', 'Quantum computing', 'B2B e-commerce',
'Education', 'Content management system', 'Semiconductors',
'Cloud communications', 'Home improvement', 'Trucking', 'CRM',
'Personal finance'], dtype=object)
```

```
[13]: data_df[data_df['Industry'].isna()]
```

```
[13]:
```

| | Company | Valuation | Valuation_date | Industry \ |
|-----|------------------|-----------|----------------|------------|
| 29 | GoodLeap | 12.00 | October-21 | NaN |
| 97 | Thrasio | 5.00 | October-21 | NaN |
| 109 | Checkr | 4.60 | August-21 | NaN |
| 134 | Patreon | 4.00 | April-21 | NaN |
| 143 | VAST Data | 3.70 | May-21 | NaN |
| 145 | Shouqi | 3.55 | December-16 | NaN |
| 170 | SentinelOne | 3.10 | November-20 | NaN |
| 195 | VANCL | 3.00 | February-14 | NaN |
| 198 | Wefox | 3.00 | June-21 | NaN |
| 199 | Yixia Technology | 3.00 | November-16 | NaN |
| 220 | AmWINS Group | 2.60 | October-16 | NaN |
| 223 | Sourcegraph | 2.60 | July-21 | NaN |
| 226 | Infra.Market | 2.50 | August-21 | NaN |
| 235 | Wemakeprice | 2.33 | September-15 | NaN |
| 238 | Uptake | 2.30 | November-17 | NaN |
| 242 | Zume | 2.25 | November-18 | NaN |
| 246 | Gympass | 2.20 | June-21 | NaN |

| | Country |
|-----|------------------------|
| 29 | United States |
| 97 | United States |
| 109 | United States |
| 134 | United States |
| 143 | United States |
| 145 | China |
| 170 | United States |
| 195 | China |
| 198 | Germany |
| 199 | China |
| 220 | United States |
| 223 | United States |
| 226 | India |
| 235 | South Korea |
| 238 | United States |
| 242 | United States |
| 246 | Brazil / United States |

```
[14]: data_df['Industry'].fillna('Unknown', inplace = True)
```

In Valuation_date column, There is no use of having date so lets split the column into two.

```
[15]: data_df[['Valuation_month', 'Valuation_day']] = data_df['Valuation_date'].str.  
      ↪split('-', expand=True)
```

```
[16]: data_df['Valuation_date'].astype('string')
```

```
[16]: 0      April-21  
      1      October-21  
      2      March-21  
      3      June-21  
      4      September-21  
      ...  
      245     May-21  
      246     June-21  
      247     July-21  
      248     June-21  
      249     June-21  
      Name: Valuation_date, Length: 250, dtype: string
```

```
[17]: data_df
```

```
[17]:      Company  Valuation  Valuation_date  Industry \  
0      ByteDance    140.00    April-21      Internet  
1      SpaceX     100.00    October-21     Aerospace  
2      Stripe     95.00     March-21      Financial services  
3      Klarna     45.60     June-21       Fintech  
4      Canva      40.00     September-21  Graphic design  
..      ...      ...      ...      ...  
245     Bitso      2.20     May-21        Cryptocurrency  
246     Gympass    2.20     June-21        Unknown  
247     Kurly      2.20     July-21        E-commerce  
248     Addepar     2.17     June-21        Fintech  
249  Eightfold.ai    2.10     June-21  Artificial intelligence
```

```
      Country  Valuation_month  Valuation_day  
0      China      April      21  
1      United States    October      21  
2  United States / Ireland    March      21  
3      Sweden      June      21  
4      Australia    September      21  
..      ...      ...      ...  
245     Mexico      May      21  
246  Brazil / United States    June      21  
247     South Korea    July      21  
248     United States    June      21  
249     United States    June      21
```

[250 rows x 7 columns]

Now lets drop unwanted columns such as Valuation_date and Valuation_day

```
[18]: data_df.drop(['Valuation_date', 'Valuation_day'], axis=1, inplace = True)
```

```
[19]: data_df
```

```
[19]:
```

| | Company | Valuation | Industry \ |
|-----|--------------|-----------|-------------------------|
| 0 | ByteDance | 140.00 | Internet |
| 1 | SpaceX | 100.00 | Aerospace |
| 2 | Stripe | 95.00 | Financial services |
| 3 | Klarna | 45.60 | Fintech |
| 4 | Canva | 40.00 | Graphic design |
| .. | ... | ... | ... |
| 245 | Bitso | 2.20 | Cryptocurrency |
| 246 | Gympass | 2.20 | Unknown |
| 247 | Kurly | 2.20 | E-commerce |
| 248 | Addepar | 2.17 | Fintech |
| 249 | Eightfold.ai | 2.10 | Artificial intelligence |

| | Country | Valuation_month |
|-----|-------------------------|-----------------|
| 0 | China | April |
| 1 | United States | October |
| 2 | United States / Ireland | March |
| 3 | Sweden | June |
| 4 | Australia | September |
| .. | ... | ... |
| 245 | Mexico | May |
| 246 | Brazil / United States | June |
| 247 | South Korea | July |
| 248 | United States | June |
| 249 | United States | June |

[250 rows x 5 columns]

```
[20]: data_df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 250 entries, 0 to 249
Data columns (total 5 columns):
#   Column          Non-Null Count  Dtype
---  -
0   Company         250 non-null   object
1   Valuation       250 non-null   float64
2   Industry        250 non-null   object
3   Country         250 non-null   object
```

```

4    Valuation_month    250 non-null    object
dtypes: float64(1), object(4)
memory usage: 9.9+ KB

```

```
[21]: data_df['Valuation_month'].unique()
```

```
[21]: array(['April', 'October', 'March', 'June', 'September', 'August', 'July',
        'January', 'November', 'May', 'February', 'December'], dtype=object)
```

```
[22]: data_df['Country'] = data_df['Country'].astype('string')
```

```
[23]: data_df.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 250 entries, 0 to 249
Data columns (total 5 columns):
#   Column                Non-Null Count  Dtype
---  ---
0   Company                250 non-null   object
1   Valuation              250 non-null   float64
2   Industry               250 non-null   object
3   Country                250 non-null   string
4   Valuation_month        250 non-null   object
dtypes: float64(1), object(3), string(1)
memory usage: 9.9+ KB

```

```
[24]: data_df = data_df.
      ↪set_index(['Company', 'Valuation', 'Industry', 'Valuation_month']).apply(lambda_
      ↪x:x.str.split('/').explode()).reset_index()
```

```
[25]: data_df
```

```

[25]:
      Company  Valuation  Industry  Valuation_month \
0    ByteDance    140.00    Internet      April
1     SpaceX    100.00    Aerospace    October
2     Stripe     95.00  Financial services    March
3     Stripe     95.00  Financial services    March
4     Klarna     45.60     Fintech      June
..         ...      ...      ...      ...
264   Gympass      2.20    Unknown      June
265   Gympass      2.20    Unknown      June
266    Kurly      2.20    E-commerce      July
267   Addepar      2.17     Fintech      June
268 Eightfold.ai      2.10  Artificial intelligence    June

      Country
0         China

```

```

1      United States
2      United States
3      Ireland
4      Sweden
..      ...
264     Brazil
265     United States
266     South Korea
267     United States
268     United States

```

[269 rows x 5 columns]

```
[26]: data_df.Country = data_df.Country.apply(lambda x:x.replace(' ',''))
```

```
[38]: data_df.Country = data_df.Country.str.lstrip()
```

```
[39]: data_df
```

```
[39]:
```

| | Company | Valuation | Industry | Valuation_month | \ |
|-----|--------------|-----------|-------------------------|-----------------|---|
| 0 | ByteDance | 140.00 | Internet | April | |
| 1 | SpaceX | 100.00 | Aerospace | October | |
| 2 | Stripe | 95.00 | Financial services | March | |
| 3 | Stripe | 95.00 | Financial services | March | |
| 4 | Klarna | 45.60 | Fintech | June | |
| .. | ... | ... | ... | ... | |
| 264 | Gympass | 2.20 | Unknown | June | |
| 265 | Gympass | 2.20 | Unknown | June | |
| 266 | Kurly | 2.20 | E-commerce | July | |
| 267 | Addepar | 2.17 | Fintech | June | |
| 268 | Eightfold.ai | 2.10 | Artificial intelligence | June | |

```

          Country
0      China
1  UnitedStates
2  UnitedStates
3      Ireland
4      Sweden
..      ...
264     Brazil
265  UnitedStates
266   SouthKorea
267  UnitedStates
268  UnitedStates

```

[269 rows x 5 columns]

All other column looks good, So we will move over to the Visualization part of Data analysis.

3 Data Visualization

Now Lets get some visuals from our Cleaned Dataset Using Python libraries like Seaborn and Matplotlib

```
[28]: data_df
```

```
[28]:
```

| | Company | Valuation | Industry | Valuation_month | \ |
|-----|--------------|-----------|-------------------------|-----------------|---|
| 0 | ByteDance | 140.00 | Internet | April | |
| 1 | SpaceX | 100.00 | Aerospace | October | |
| 2 | Stripe | 95.00 | Financial services | March | |
| 3 | Stripe | 95.00 | Financial services | March | |
| 4 | Klarna | 45.60 | Fintech | June | |
| .. | ... | ... | ... | ... | |
| 264 | Gympass | 2.20 | Unknown | June | |
| 265 | Gympass | 2.20 | Unknown | June | |
| 266 | Kurly | 2.20 | E-commerce | July | |
| 267 | Addepar | 2.17 | Fintech | June | |
| 268 | Eightfold.ai | 2.10 | Artificial intelligence | June | |

| | Country |
|-----|--------------|
| 0 | China |
| 1 | UnitedStates |
| 2 | UnitedStates |
| 3 | Ireland |
| 4 | Sweden |
| .. | ... |
| 264 | Brazil |
| 265 | UnitedStates |
| 266 | SouthKorea |
| 267 | UnitedStates |
| 268 | UnitedStates |

[269 rows x 5 columns]

```
[29]: top_industry = data_df.groupby('Industry').sum().sort_values(by = 'Valuation',ascending = False).head(10)
```

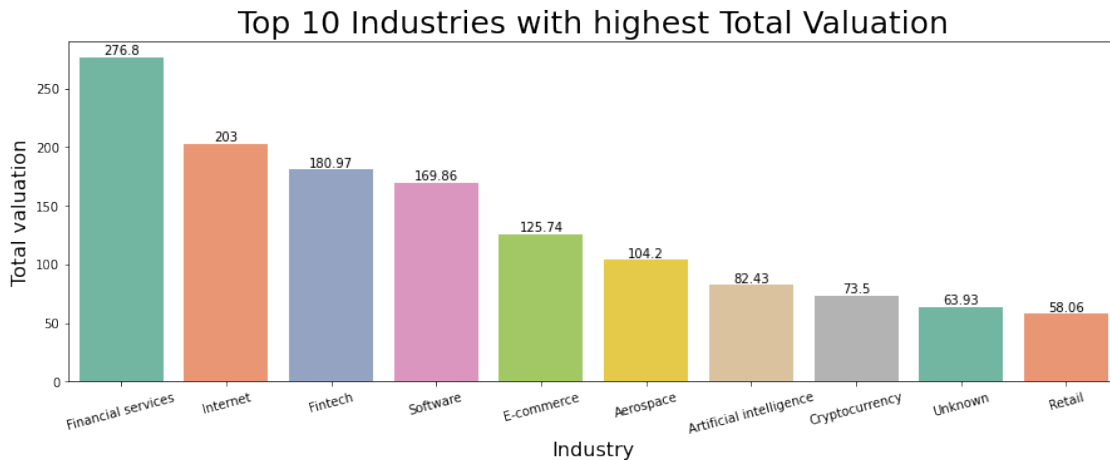
```
[30]: top_industry
```

```
[30]:
```

| Industry | Valuation |
|--------------------|-----------|
| Financial services | 276.80 |
| Internet | 203.00 |
| Fintech | 180.97 |
| Software | 169.86 |

| | |
|-------------------------|--------|
| E-commerce | 125.74 |
| Aerospace | 104.20 |
| Artificial intelligence | 82.43 |
| Cryptocurrency | 73.50 |
| Unknown | 63.93 |
| Retail | 58.06 |

```
[31]: plt.figure(figsize=(15,5))
fig = sns.barplot(x = top_industry.index, y = top_industry.Valuation, data = top_industry, palette = 'Set2')
fig.set_xlabel('Industry',fontsize=16)
fig.set_ylabel('Total valuation',fontsize=16)
fig.set_xticklabels(fig.get_xticklabels(),rotation = 15,fontsize = 10)
fig.set_title('Top 10 Industries with highest Total Valuation',fontsize = 25)
fig.bar_label(fig.containers[0])
plt.show()
```



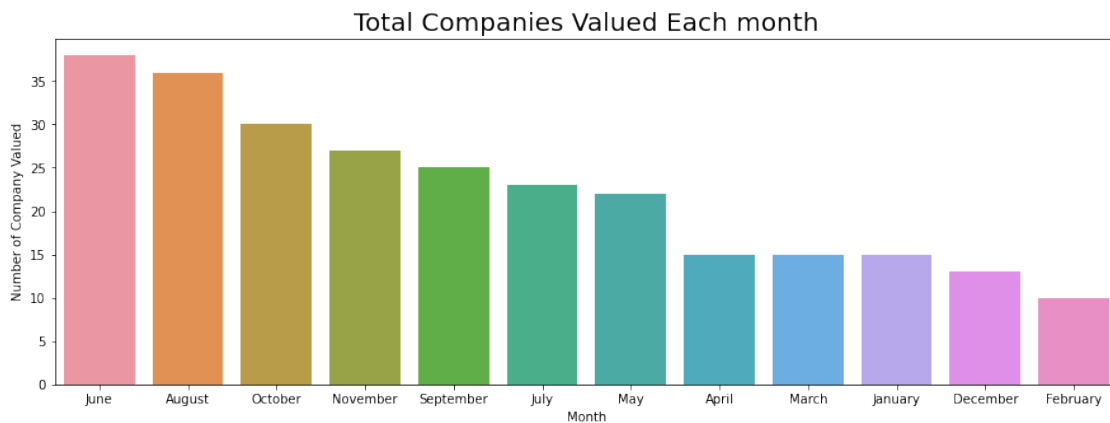
```
[32]: month_count = data_df['Valuation_month'].value_counts()
```

```
[33]: month_count
```

```
[33]: June      38
      August    36
      October   30
      November  27
      September 25
      July      23
      May       22
      April     15
      March     15
      January   15
```

```
December    13
February    10
Name: Valuation_month, dtype: int64
```

```
[34]: plt.figure(figsize=(15,5))
fig1 = sns.barplot(month_count.index,month_count)
fig1.set_xlabel('Month',fontsize = 10)
fig1.set_ylabel('Number of Company Valued', fontsize = 10)
fig1.set_title('Total Companies Valued Each month', fontsize = 20)
plt.show()
```



```
[85]: country_count = data_df['Country'].value_counts().head(15)
```

```
[86]: country_count
```

```
[86]: UnitedStates    128
China                27
India                27
UnitedKingdom        11
Germany               6
Canada               6
SouthKorea            6
France               5
Israel               4
China                 3
Indonesia             3
Israel               3
Brazil               3
Belgium              2
Netherlands          2
Name: Country, dtype: int64
```

```
[87]: data_df
```

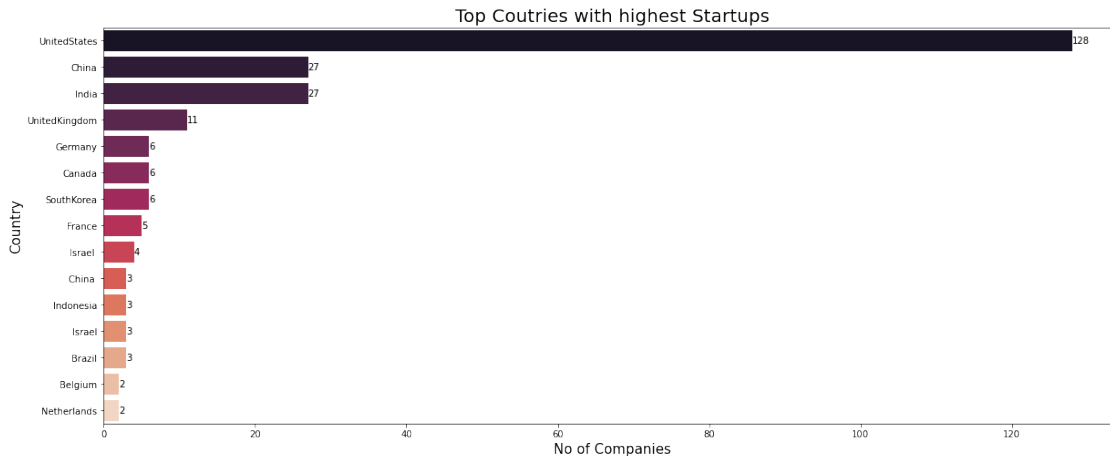
```
[87]:
```

| | Company | Valuation | Industry | Valuation_month | \ |
|-----|--------------|-----------|-------------------------|-----------------|---|
| 0 | ByteDance | 140.00 | Internet | April | |
| 1 | SpaceX | 100.00 | Aerospace | October | |
| 2 | Stripe | 95.00 | Financial services | March | |
| 3 | Stripe | 95.00 | Financial services | March | |
| 4 | Klarna | 45.60 | Fintech | June | |
| .. | ... | ... | ... | ... | |
| 264 | Gympass | 2.20 | Unknown | June | |
| 265 | Gympass | 2.20 | Unknown | June | |
| 266 | Kurly | 2.20 | E-commerce | July | |
| 267 | Addepar | 2.17 | Fintech | June | |
| 268 | Eightfold.ai | 2.10 | Artificial intelligence | June | |

| | Country |
|-----|--------------|
| 0 | China |
| 1 | UnitedStates |
| 2 | UnitedStates |
| 3 | Ireland |
| 4 | Sweden |
| .. | ... |
| 264 | Brazil |
| 265 | UnitedStates |
| 266 | SouthKorea |
| 267 | UnitedStates |
| 268 | UnitedStates |

[269 rows x 5 columns]

```
[98]: plt.figure(figsize=(20,8))
fig2 = sns.barplot(country_count,country_count.index,palette = 'rocket')
fig2.set_xlabel('No of Companies',fontsize = 15)
fig2.set_ylabel('Country', fontsize = 15)
fig2.set_title('Top Coutries with highest Startups', fontsize = 20)
fig2.bar_label(fig2.containers[0])
plt.show()
```



4 Question and Answers

First Lets Create a Copy of our Dataset in order to perform operations to answer below mentioned questions. Doing this will not harm our actual dataset.

```
[44]: data_df_copy = data_df.copy()
```

```
[45]: data_df_copy.set_index('Company', inplace = True)
```

```
[46]: data_df_copy
```

```
[46]:
```

| | Valuation | Industry | Valuation_month \ |
|--------------|-----------|-------------------------|-------------------|
| Company | | | |
| ByteDance | 140.00 | Internet | April |
| SpaceX | 100.00 | Aerospace | October |
| Stripe | 95.00 | Financial services | March |
| Stripe | 95.00 | Financial services | March |
| Klarna | 45.60 | Fintech | June |
| ... | ... | ... | ... |
| Gympass | 2.20 | Unknown | June |
| Gympass | 2.20 | Unknown | June |
| Kurly | 2.20 | E-commerce | July |
| Addepar | 2.17 | Fintech | June |
| Eightfold.ai | 2.10 | Artificial intelligence | June |

```

Country
Company
ByteDance      China
SpaceX         UnitedStates
Stripe         UnitedStates
Stripe         Ireland

```

```

Klarna          Sweden
...
Gympass         Brazil
Gympass         UnitedStates
Kurly           SouthKorea
Addepar         UnitedStates
Eightfold.ai    UnitedStates

```

```
[269 rows x 4 columns]
```

4.0.1 Question 1] Which are the top 10 Companies with highest Valuation?

```
[47]: high = data_df_copy['Valuation'].sort_values(ascending = False).head(10)
```

```
[48]: high
```

```

[48]: Company
ByteDance    140.0
SpaceX       100.0
Stripe       95.0
Stripe       95.0
Klarna       45.6
Canva        40.0
Instacart    39.0
Databricks   38.0
Revolut      33.0
Nubank       30.0
Name: Valuation, dtype: float64

```

4.0.2 Question 2] In March Which Company has the highest Valuation?

```
[49]: mar_df = data_df_copy.loc[data_df_copy['Valuation_month'] == 'March'].head(1)
```

```
[50]: mar_df
```

```

[50]:      Valuation      Industry Valuation_month      Country
Company
Stripe      95.0  Financial services      March  UnitedStates

```

4.0.3 Question 3] Get the list of Indian companies and check which one has the highest Valuation?

```
[51]: indian_df = data_df_copy.loc[data_df_copy['Country'] == 'India']
```

```
[52]: indian_df
```

```
[52]:
```

| | Valuation | Industry | Valuation_month | Country |
|-----------------|-----------|------------------------|-----------------|---------|
| Company | | | | |
| Byju's | 21.0 | Education technology | November | India |
| Oyo | 9.6 | Hospitality | August | India |
| Dream11 | 8.0 | Fantasy sports | November | India |
| Razorpay | 7.5 | Fintech | December | India |
| Ola Cabs | 7.3 | Transportation | December | India |
| PharmEasy | 5.6 | Health technology | October | India |
| PhonePe | 5.5 | Fintech | December | India |
| Swiggy | 5.5 | Food delivery | July | India |
| Meesho | 4.9 | E-commerce | September | India |
| BrowserStack | 4.0 | Software | June | India |
| CRED | 4.0 | Fintech | October | India |
| Digit Insurance | 3.5 | Insurance | July | India |
| Unacademy | 3.4 | Education Technology | August | India |
| Eruditus | 3.2 | Educational technology | August | India |
| Udaan | 3.1 | B2B e-commerce | January | India |
| Delhivery | 3.0 | Logistics | May | India |
| Groww | 3.0 | Fintech | April | India |
| OfBusiness | 3.0 | B2B e-commerce | September | India |
| Ola Electric | 3.0 | Electric vehicles | September | India |
| Paytm Mall | 3.0 | E-commerce | July | India |
| Pine Labs | 3.0 | Fintech | May | India |
| Upstox | 3.0 | Fintech | November | India |
| BharatPe | 2.8 | Fintech | August | India |
| Urban Company | 2.8 | Home improvement | December | India |
| Infra.Market | 2.5 | Unknown | August | India |
| Lenskart | 2.5 | Retail | May | India |
| MPL | 2.3 | Mobile gaming | September | India |

```
[53]: indian_df.head(1)
```

```
[53]:
```

| | Valuation | Industry | Valuation_month | Country |
|---------|-----------|----------------------|-----------------|---------|
| Company | | | | |
| Byju's | 21.0 | Education technology | November | India |

4.0.4 Question 4] In China how many startups are from E-commerce?

```
[55]: china_df = data_df_copy.loc[data_df_copy['Country']=='China']
```

```
[56]: china_df
```

```
[56]:
```

| | Valuation | Industry | Valuation_month | \ |
|-------------|-----------|----------------------|-----------------|---|
| Company | | | | |
| ByteDance | 140.00 | Internet | April | |
| Xiaohongshu | 20.00 | E-commerce | October | |
| Yuanfudao | 15.50 | Education technology | October | |

| | | | |
|---------------------------|-------|------------------------|-----------|
| DJI | 15.00 | Technology | September |
| Shein | 15.00 | E-commerce | February |
| Bitmain | 12.00 | Cryptocurrency | June |
| ZongMu Technology | 11.00 | Self-driving cars | June |
| Chehaoduo | 10.00 | Marketplace | July |
| Lalamove | 10.00 | Technology | January |
| WeDoctor | 6.80 | Healthcare | February |
| Ziroom | 6.60 | Real estate technology | March |
| Lianjia (Homelink) | 6.04 | Real estate | April |
| Xingsheng Youxuan | 6.00 | Retail | January |
| Hello TransTech | 5.00 | Transportation | March |
| UBtech Robotics | 5.00 | Robotics | May |
| United Imaging Healthcare | 5.00 | Healthcare | September |
| Meizu | 4.40 | Consumer electronics | October |
| Megvii | 4.00 | Technology | May |
| Shouqi | 3.55 | Unknown | December |
| WeRide | 3.30 | Self-driving cars | June |
| Youxia Motors | 3.30 | Electric vehicles | October |
| Horizon Robotics | 3.00 | Semiconductors | February |
| Souche | 3.00 | Marketplace | September |
| VANCL | 3.00 | Unknown | February |
| VIPKID | 3.00 | Education | June |
| Yixia Technology | 3.00 | Unknown | November |
| UnionPay | 2.80 | Finance | October |

| Company | Country |
|---------------------------|---------|
| ByteDance | China |
| Xiaohongshu | China |
| Yuanfudao | China |
| DJI | China |
| Shein | China |
| Bitmain | China |
| ZongMu Technology | China |
| Chehaoduo | China |
| Lalamove | China |
| WeDoctor | China |
| Ziroom | China |
| Lianjia (Homelink) | China |
| Xingsheng Youxuan | China |
| Hello TransTech | China |
| UBtech Robotics | China |
| United Imaging Healthcare | China |
| Meizu | China |
| Megvii | China |
| Shouqi | China |
| WeRide | China |

| | |
|------------------|-------|
| Youxia Motors | China |
| Horizon Robotics | China |
| Souche | China |
| VANCL | China |
| VIPKID | China |
| Yixia Technology | China |
| UnionPay | China |

```
[57]: china_ecom = china_df.loc[china_df['Industry']=='E-commerce']
```

```
[58]: china_ecom
```

```
[58]:
```

| | Valuation | Industry | Valuation_month | Country |
|-------------|-----------|------------|-----------------|---------|
| Company | | | | |
| Xiaohongshu | 20.0 | E-commerce | October | China |
| Shein | 15.0 | E-commerce | February | China |

This is how we can answer lots of questions from any Dataset once it is cleaned and transformed.

```
[99]: !pip install jovian --upgrade --quiet
```

```
[100]: import jovian
```

```
[101]: jovian.commit(outputs=['startups.csv'])
```

```
<IPython.core.display.Javascript object>
```

```
[jovian] Updating notebook "shrey2627/world-startups" on https://jovian.ai
```

```
[jovian] Uploading additional outputs...
```

```
[jovian] Committed successfully! https://jovian.ai/shrey2627/world-startups
```

```
[101]: 'https://jovian.ai/shrey2627/world-startups'
```

```
[102]: jovian.commit(project=project_name)
```

```
<IPython.core.display.Javascript object>
```

```
[jovian] Updating notebook "shrey2627/world-startups" on https://jovian.ai
```

```
[jovian] Committed successfully! https://jovian.ai/shrey2627/world-startups
```

```
[102]: 'https://jovian.ai/shrey2627/world-startups'
```

```
[ ]:
```