

Case Study : Questions

Question 1

Your Friend has developed the Product and he wants to establish the product startup and he is searching for a perfect location where getting the investment has a high chance. But due to its financial restriction, he can choose only between three locations - **Bangalore, Mumbai, and NCR**. As a friend, you want to help your friend deciding the location. **NCR include Gurgaon, Noida and New Delhi**. Find the location where the most number of funding is done. That means, find the location where startups has received funding maximum number of times. Plot the bar graph between location and number of funding. Take city name "Delhi" as "New Delhi". Check the case-sensitiveness of cities also. That means, at some place instead of "Bangalore", "bangalore" is given. Take city name as "Bangalore". For few startups multiple locations are given, one Indian and one Foreign. Consider the startup if any one of the city lies in given locations.bv

SNo	Date	StartupName	IndustryVertical	SubVertical	CityLocation	InvestorsName	InvestmentType	AmountInUSD	Remarks
0	01/08/2017	TouchKin	Technology	Predictive Care Platform	Bangalore	Kae Capital	Private Equity	1,300,000	NaN
1	02/08/2017	Ethinos	Technology	Digital Marketing Agency	Mumbai	Triton Investment Advisors	Private Equity	NaN	NaN
2	02/08/2017	Leverage Edu	Consumer Internet	Online platform for Higher Education Services	New Delhi	Kashyap Deorah, Anand Sankeshwar, Deepak Jain,...	Seed Funding	NaN	NaN
3	02/08/2017	Zepo	Consumer Internet	DIY Ecommerce platform	Mumbai	Kunal Shah, LetsVenture, Anupam Mittal, Hetal ...	Seed Funding	500,000	NaN
4	02/08/2017	Click2Clinic	Consumer Internet	healthcare service aggregator	Hyderabad	Narottam Thudi, Shireesh Palle	Seed Funding	850,000	NaN

Steps:

Load Dataset

Drop Empty Values

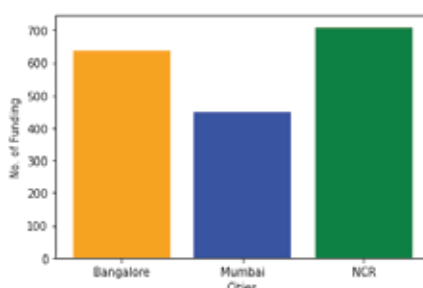
Split the multiple cities with one Startup

Count Values from Mumbai and Bangalore

Count Values Gurgaon, Noida and New Delhi and add to NCR

Add NCR to Mumbai and Bangalore array

Plot and review the cities



Bangalore 635
Mumbai 449
NCR 709

NCR = Gurgaon, Noida and New Delhi

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Question 2

Even after trying for so many times, your friend's startup could not find the investment. So you decided to take this matter in your hand and try to find the list of investors who probably can invest in your friend's startup. Your list will increase the chance of your friend startup getting some initial investment by contacting these investors. **Find the top 5 investors** who have **invested maximum number of times** (**consider** repeat investments in one company also). In a startup, multiple investors might have invested. So consider each investor for that startup. Ignore undisclosed investors.

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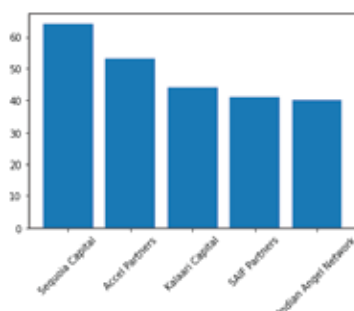
Correct the values in the Dataset

Fill and delete NA values

Make a unique String of all the Investors

Add Investors to Dictionary and count the number of Startup they invested in

Plot and review the Investors



Investor

Total Inv

Sequoia Capital

64

Accel Partners

53

Kalaari Capital

44

SAIF Partners

41

Indian Angel Network

40

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Question 3

After re-analysing the dataset you found out that some investors have invested in the same startup at different number of funding rounds. So before finalising the previous list, you want to improvise it by finding the top 5 investors who have invested in different number of startups. This list will be more helpful than your previous list in finding the investment for your friend startup. Find the top 5 investors who have invested maximum number of times in different companies. That means, if one investor has invested multiple times in one startup, count one for that company. There are many errors in startup names. Ignore correcting all, just handle the important ones - Ola, Flipkart, Oyo and Paytm.

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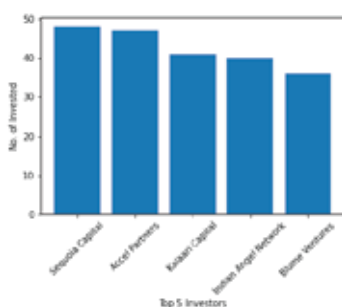
Correct the values in the Dataset

Fill and delete NA values

Make a unique String of all the Investors

Add Investors to Dictionary and count the number of Startup they invested in Individual Startups

Plot and review the Investors



Investor

Total Inv

Sequoia Capital

48

Accel Partners

47

Kalaari Capital

41

Indian Angel Network

40

Blume Ventures

36

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Question 4

Even after putting so much effort in finding the probable investors, it didn't turn out to be helpful for your friend. So you went to your investor friend to understand the situation better and your investor friend explained to you about the different Investment Types and their features. This new information will be helpful in finding the right investor. Since your friend startup is at an early stage startup, the best-suited investment type would be - Seed Funding and Crowdfunding. Find the top 5 investors who have invested in a different number of startups and their investment type is Crowdfunding or Seed Funding. Correct spelling of investment types are - "Private Equity", "Seed Funding", "Debt Funding", and "Crowd Funding". Keep an eye for any spelling mistake. You can find this by printing unique values from this column. There are many errors in startup names. Ignore correcting all, just handle the important ones - Ola, Flipkart, Oyo and Paytm.

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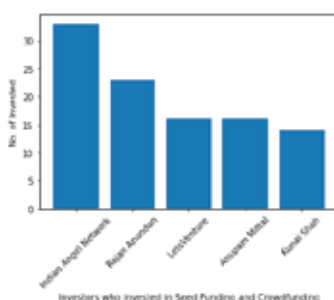
Fill and delete NA values

Make a unique String of all the Investors

Add Investors to Dictionary and count the number of Startup they invested in Individual Startups

Fliter those who have investment type Crowd Funding or Seed Funding

Plot and review the Investors



Investor

Total Inv

Indian Angel Network
Rajan Anandan
LetsVenture
Anupam Mittal
Kunal Shah

33
23
16
16
14

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Question 5

Due to your immense help, your friend startup successfully got seed funding and it is on the operational mode. Now your friend wants to expand his startup and he is looking for new investors for his startup. Now you again come as a saviour to help your friend and want to create a list of probable new new investors. Before moving forward you remember your investor friend advice that finding the investors by analysing the investment type. Since your friend startup is not in early phase it is in growth stage so the best-suited investment type is Private Equity. Find the top 5 investors who have invested in a different number of startups and their investment type is Private Equity. Correct spelling of investment types are - "Private Equity", "Seed Funding", "Debt Funding", and "Crowd Funding". Keep an eye for any spelling mistake. You can find this by printing unique values from this column. There are many errors in startup names. Ignore correcting all, just handle the important ones - Ola, Flipkart, Oyo and Paytm.

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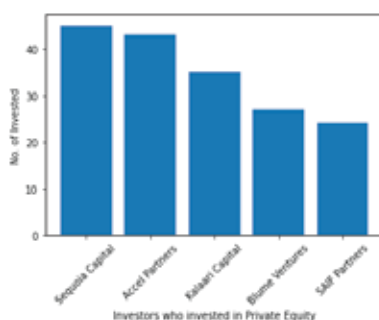
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Fliter those who have investment type Private Equity

Plot and review the Investors



Investor

Total Inv

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Accel Partners
Kalaari Capital
Blume Ventures
SAIF Partners

45
43
35
27
24