

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

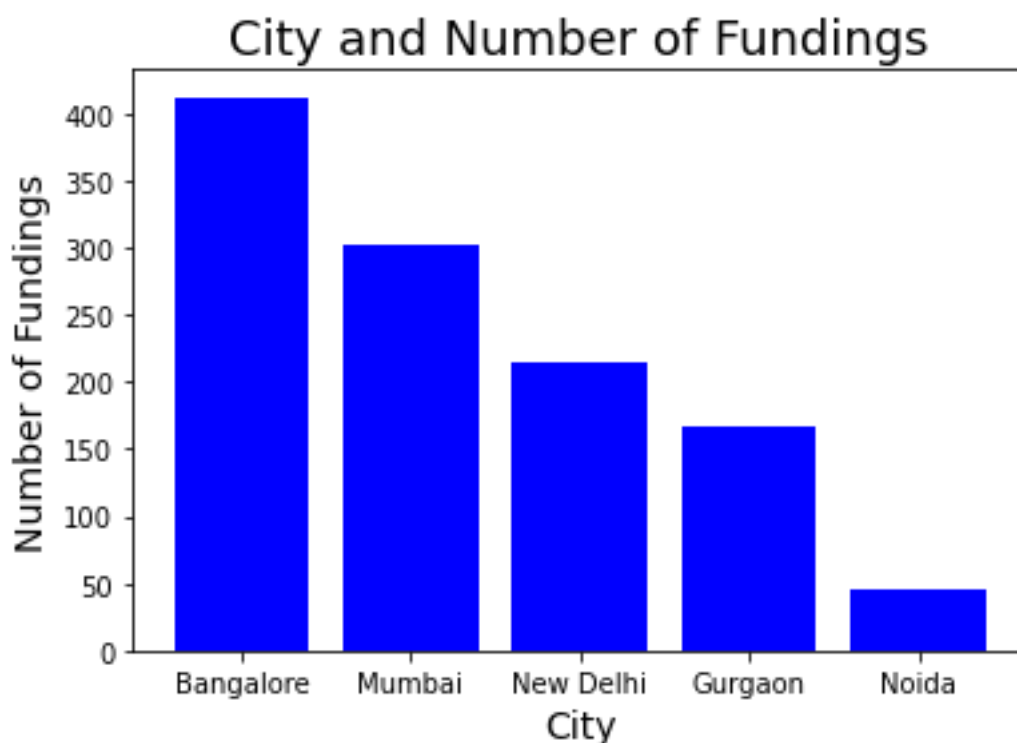
Data Cleaning

- I drop rows having NaN value in CityLocation and AmountinUSD column in dataset.
- I correct the Spelling Mistakes in the city
- I separate the Investors who have invested in same Startup

Then I found out the location where most number of funding . I want to plot a graph of number of funding vs city. Respecting the data type to be presented I plot a bar graph.

Bangalore is the answer according to the graph it the most Optimal city of choice for a start-up funding.

Bangalore 412
Mumbai 303
New Delhi 215
Gurgaon 166
Noida 46



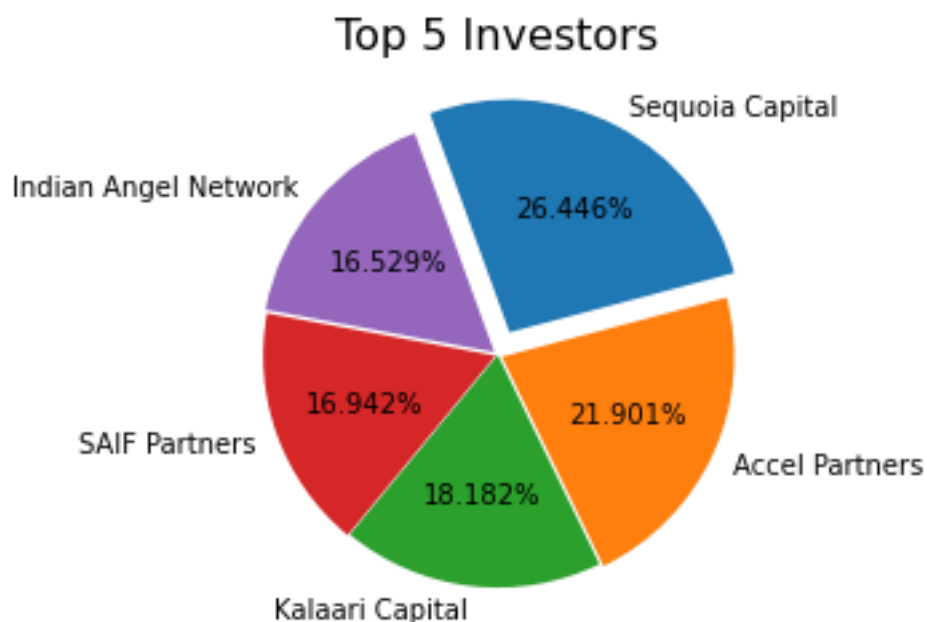
2. Even after trying for so many times, your friend's startup could not find the investment. So you decided to take this matter in your hand and try to find the list of investors who probably can invest in your friend's startup. Your list will increase the chance of your friend startup getting some initial 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.

Data Cleaning

- I drop rows having NaN value in Investor Name Column in the Dataset
- The Undisclosed Investors have to be ignored from the given dataset
- Separate the investors who have invested in the same startup

Since we are dealing with Percentage related data, we use a pie chart. The solution comes up as 5 investors who have invested the maximum number of times. In the graph It is evident that Sequoia Capital is the Top Investor having the maximum percentage in investing. So, the best choice is to contact them

Sequoia Capital	64
Accel Partners	53
Kalaari Capital	44
SAIF Partners	41
Indian Angel Network	40



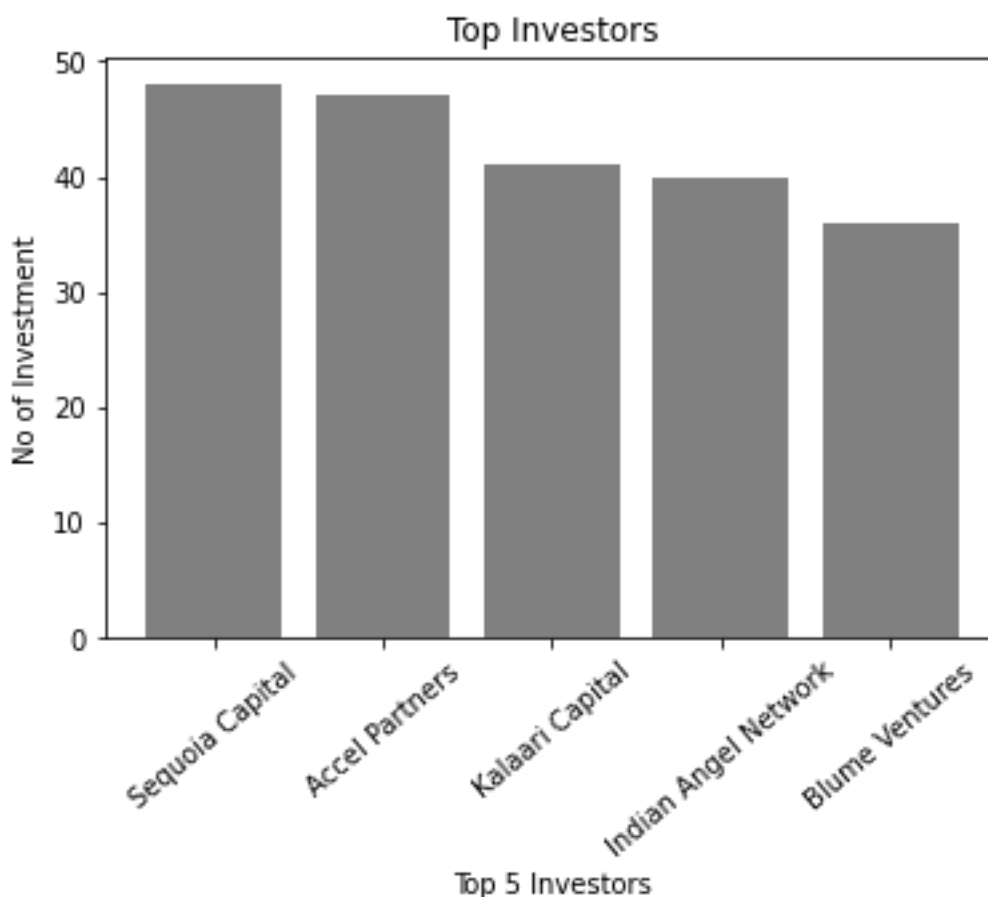
3. After re-analysing the dataset you found out that some investors have invested in the same startup at different number of funding rounds. So before finalising the previous list, you want to improvise it by finding the top 5 investors who have invested in different number of startups. This list will 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.

Data Cleaning

- Removing the rows with NaN value in StartupName and InvestorsName column
- Correcting the spelling mistakes in the startup name column
- Separate the multi-investors from same cell dataset

Here we ignore the Undisclosed Investors. Create a new dataset having only InvestorsName and StartupName. Using the data we find that top 5 investors invested in most number of companies. Since the Data has to be displayed as name of investor and number of times they invested. To display the data correctly we use Bar Graph

Sequoia Capital	48
Accel Partners	47
Kalaari Capital	41
Indian Angel Network	40
Blume Ventures	36



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.

Data Cleaning

- Removing the rows with NaN value in StartupName and InvestorsName column
- Correcting the spelling mistakes in the startup name column
- We ignore the Undisclosed Investors
- Correcting the spelling mistakes in the Investment type column

We form a new dataset which has only InvestorsName and StartupName. We find out the top 5 Investors and their Investments. Again we use the bar graph to represent the data. The major type of investment was crowd funding or seed funding. The graph represents the top investors and should be approached for funding.

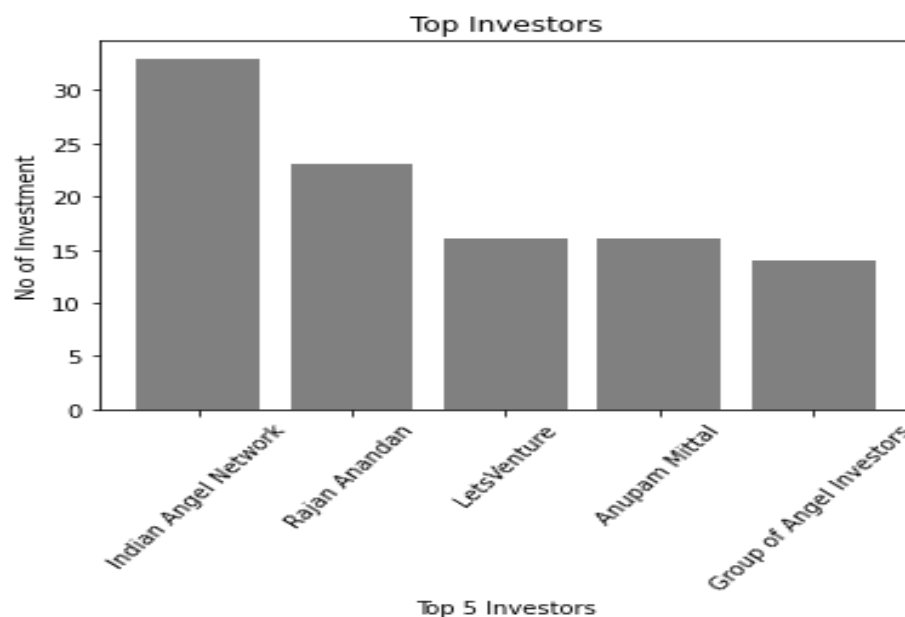
Indian Angel Network 33

Rajan Anandan 23

LetsVenture 16

Anupam Mittal 16

Group of Angel Investors 14



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.

Data Cleaning

- Removing the rows with NaN value in StartupName and InvestorsName column
- Correcting the spelling mistakes in the startup name column
- We ignore the Undisclosed Investors
- Correcting the spelling mistakes in the Investment type column

We select only Private Equity as Investment Type. I separate the Investors Name from same cell in dataset. We form a new dataset which has only InvestorsName and StartupName. We find out the top 5 Investors and their Investments. Again we use the bar graph to represent the data. The major type of investment was crowd funding or seed funding. The graph represents the top investors and should be approached for funding. If anyone wants new investors for the established startup then he should consider these top investors.

Sequoia Capital 45
Accel Partners 43
Kalaari Capital 35
Blume Ventures 27
SAIF Partners 24

