This dataset has funding information of the Indian startups from January 2015 to August 2017.

FEATURE DETAILS:

S O - SERIAL NUMBER.

DATE - DATE OF FUNDING IN FORMAT DD/MM/YYYY.

START-UP NAME - NAME OF THE START-UP WHICH GOT FUNDED.

INDUSTRY VERTICAL - INDUSTRY TO WHICH THE START-UP BELONGS.

SUBVERTICAL - SUB-CATEGORY OF THE INDUSTRY TYPE.

CITY LOCATION - CITY WHICH THE START-UP IS BASED OUT OF.

INVESTORS NAME - NAME OF THE INVESTORS INVOLVED IN THE FUNDING ROUND.

INVESTMENT TYPE - EITHER PRIVATE EQUITY OR SEED FUNDING.

AMOUNT IN USD - FUNDING AMOUNT IN USD.

REMARKS - OTHER INFORMATION, IF ANY.

Here is a Glimpse of Data Frame

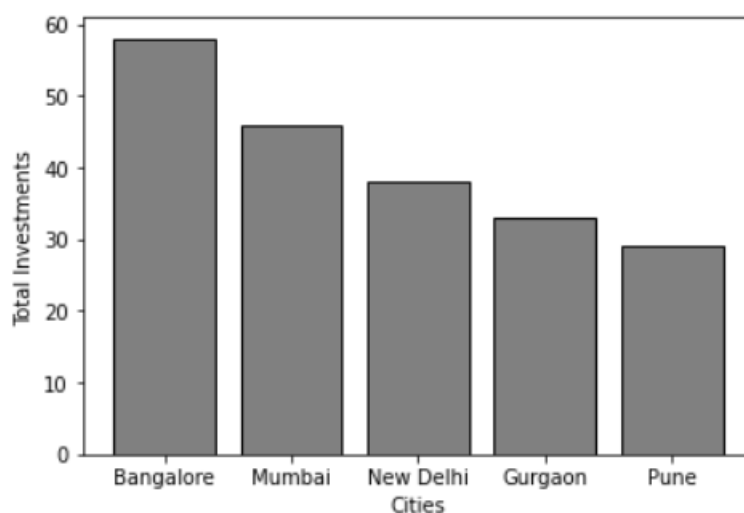|	SNo	Date	StartupName	IndustryVertical	SubVertical	CityLocation	InvestorsName	InvestmentType	AmountInUSD	Remarks
0	0	01/08/2017	TouchKin	Technology	Predictive Care Platform	Bangalore	Kae Capital	Private Equity	1,300,000	NaN
1	1	02/08/2017	Ethinos	Technology	Digital Marketing Agency	Mumbai	Triton Investment Advisors	Private Equity	NaN	NaN
2	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	3	02/08/2017	Zepo	Consumer Internet	DIY Ecommerce platform	Mumbai	Kunal Shah, LetsVenture, Anupam Mittal, Hetal ...	Seed Funding	500,000	NaN
4	4	02/08/2017	Click2Clinic	Consumer Internet	healthcare service aggregator	Hyderabad	Narottam Thudi, Shireesh Palle	Seed Funding	850,000	NaN
...	...	...	...	...	...	...	...	...	...	...
2367	2367	29/01/2015	Printvenue	NaN	NaN	NaN	Asia Pacific Internet Group	Private Equity	4,500,000	NaN
2368	2368	29/01/2015	Graphene	NaN	NaN	NaN	KARSEMVEN Fund	Private Equity	825,000	Govt backed VC Fund
2369	2369	30/01/2015	Mad Street Den	NaN	NaN	NaN	Exfinity Fund, GrowX Ventures.	Private Equity	1,500,000	NaN
2370	2370	30/01/2015	Simplotel	NaN	NaN	NaN	MakeMyTrip	Private Equity	NaN	Strategic Funding, Minority stake
2371	2371	31/01/2015	couponmachine.in	NaN	NaN	NaN	UK based Group of Angel Investors	Seed Funding	140,000	NaN

2372 rows × 10 columns

Case Studies and Their Observations

Case Study 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 start-ups multiple locations are given, one Indian and one Foreign. Consider the start-up if any one of the city lies in given locations.

Solution:

Firstly I cleaned the data using fillna to fill the NAN values to empty strings . Then to find the number of city , First we have to handle the cases where cities are given in the form of (City1/City2) To solve this I used a separate city function which would return me first separated values , then I used value_counts function to get top citites with most number of fundings
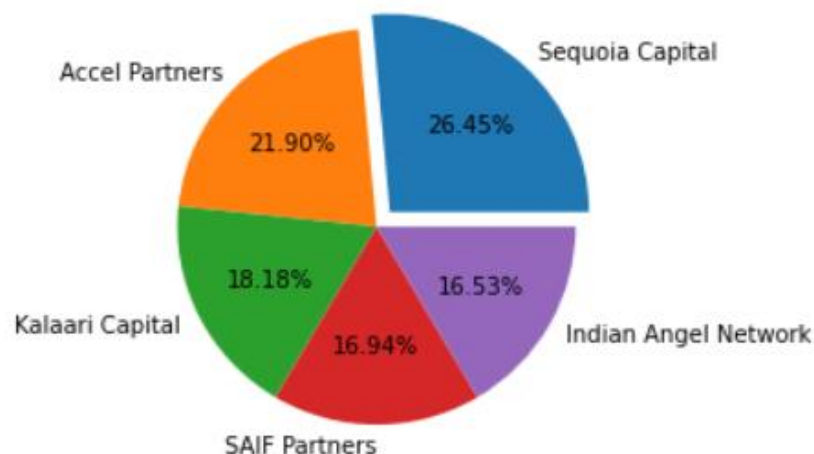

Observations:

As my friend was looking for Bangalore, Mumbai, and NCR , I would suggest him going for Bangalore as from above graph we can see bangalore has most no of fundings. If thats not possible go for Mumbai , then go for New Delhi and then Gurgaon

Case Study 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.

Solution:

Firstly I traversed through entire InvestorsName Column and used a Dictionary for storing number of values for each investor, but there was a problem in that as some investors name was multiple names in there so I had to use split function and again strip function to omit white spaces and comma values , then I used a sorted function to sort the dictionary on the basis of values in descending order. There I got the top investors in the market
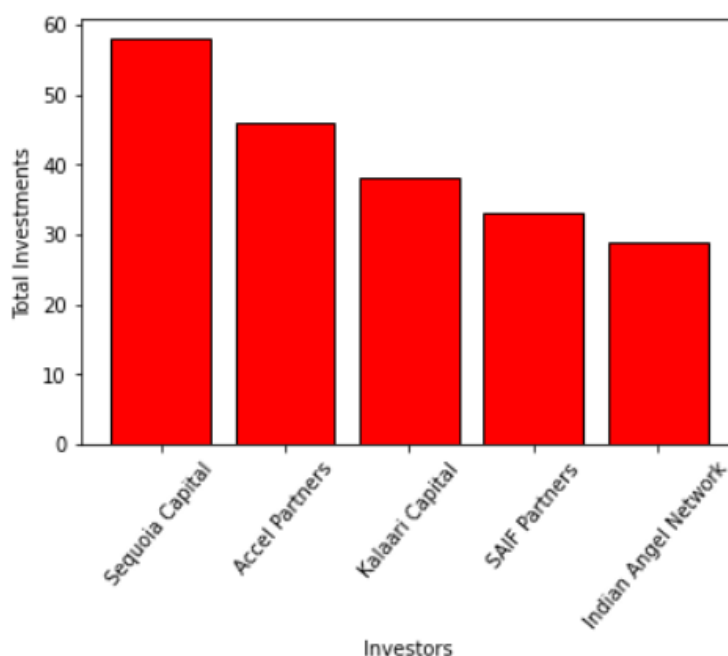

Observations

From above pie chart we can see that most no of investment is done by "Sequoia Capital", following is "Accel Parterns" . By this chart my friend can contact these investors

Case Study 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.

Solution:

In this Case I first handled the error names of various start ups for which I used replace function to replace all error names with their correct names , In this case study I used a similar approach , but instead I used a check dictionary to avoid repeated Investors in same company . In check dict I kept Investors Name to StartUp name . Then I got the list for Top investors

Observations

In this case also It seems that Sequoia Capital is the top investor . Following are Accel Partners , Kalaari Capital , Indian Angel Network and Blume Ventures
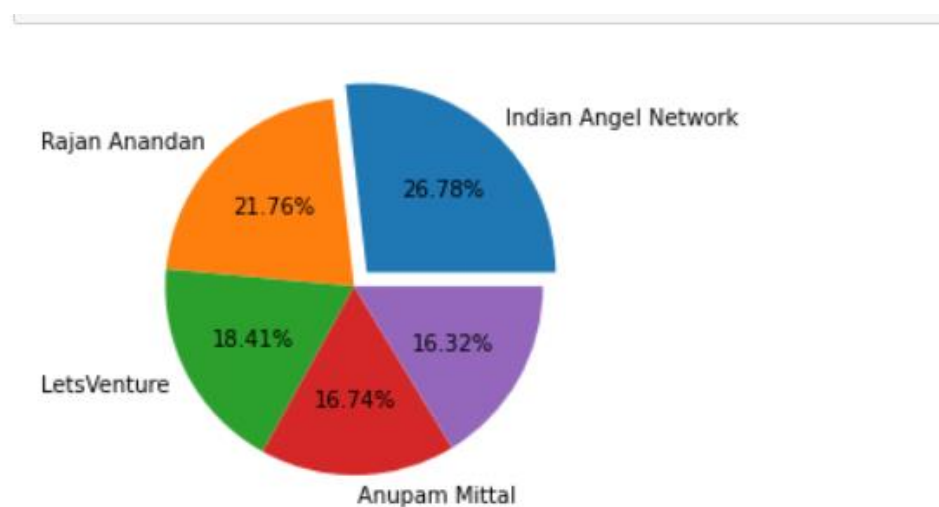

Case Study 4

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

Solution:

First I replaced the error names in Investment Types and then I made a final data frame where the investment type is only seed funding and crowd funding . Then I applied the same method as before case studies and found out the top five investors name

Observations

Here in the case study Indian Angel Network Tops out , Following are Rajan Anandan , LetsVenture, Anupam Mittal and Group of Angel Investors
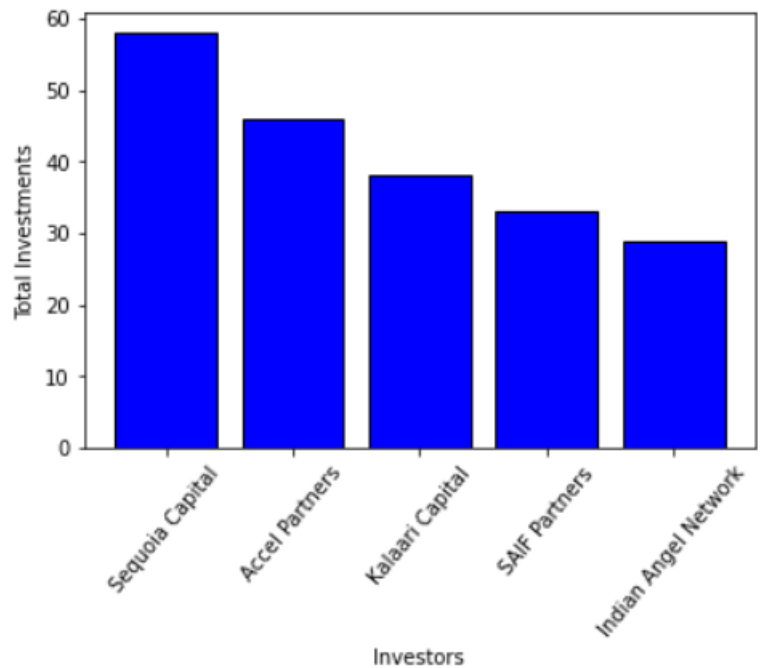
Case Study 5

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.

Solution:

I applied the same method as before but this I just made one change to the code that I made the final data frame to be only private equity and the using same methods I found out top 5 investors

Observations

Here as usual Sequoia Capital is on the top , Following are Accel Partners , Kalaari Capital , Saif Partners , Blume Ventures