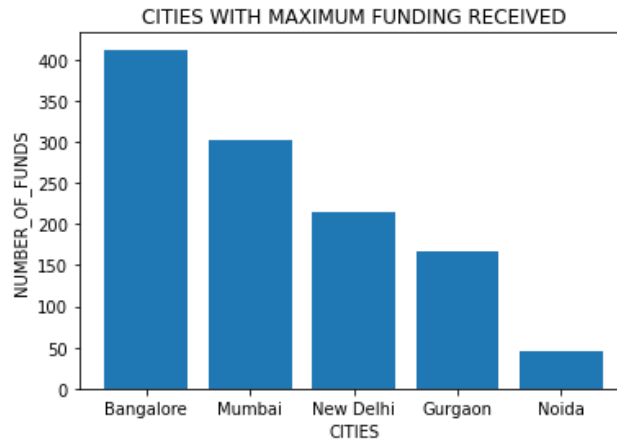


Detailed Analysis How Code Works and Interpretation of Results

NOTE: I have dropped SNo, Date and Remarks columns for all questions since they are of irrelevance to the outcome.

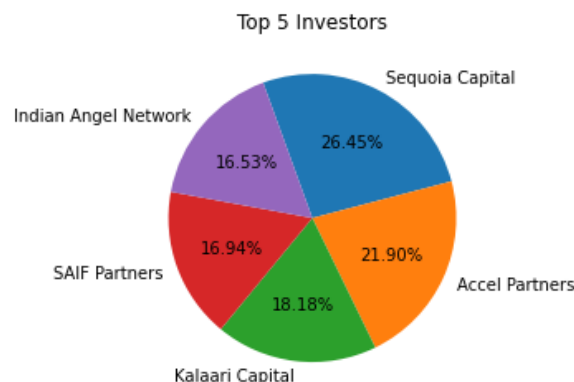
Question 1:



CODE- First I imported the necessary libraries. Then dropped null values from CityLocation column. Next, creating a function and applying split and strip method to parameter city. Next changing to New Delhi and Bangalore. Next converting into numeric format and removing comma in AmountInUSD column. Then grouping CityLocation and AmountInUSD columns. Creating index on cities, storing in variable. Storing in variable values of AmountInUSD. Printing city name and amount through iteration and finally plotting a bar chart.

INTERPRETATION- Bangalore has received max number of fundings followed by Mumbai and Delhi NCR. So, Bangalore would be best option to open a startup. The above graph states that if he chooses Bangalore, then he has a high chance to get the funding maximum number of times.

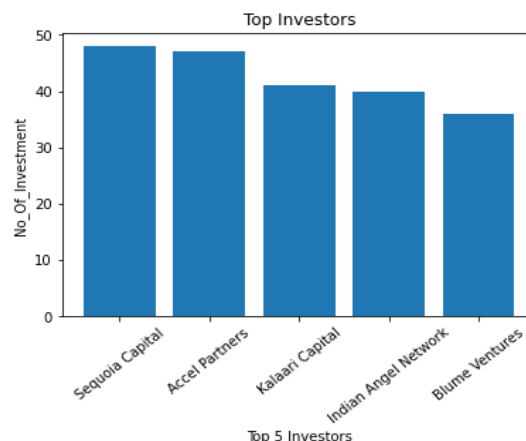
Question 2:



CODE-After reading the dataset, dropped null values from InvestorsName column. Then in next step, ignoring undisclosed investors. Next, creating an empty list and iterating InvestorsName and appending it in the empty list. Next, creating an empty dictionary and count the number of occurrences from investors_name. Then sorting the filled dictionary and storing in variable dct_keys. Creating 2 empty lists and setting variable c as 0. Then creating a loop to print key and value till 5 and appending it to variable count. Then plotting a pie chart.

INTERPRETATION- The pie chart shows top 5 investors who have invested maximum number of times. These investors can be contact for getting initial investment.

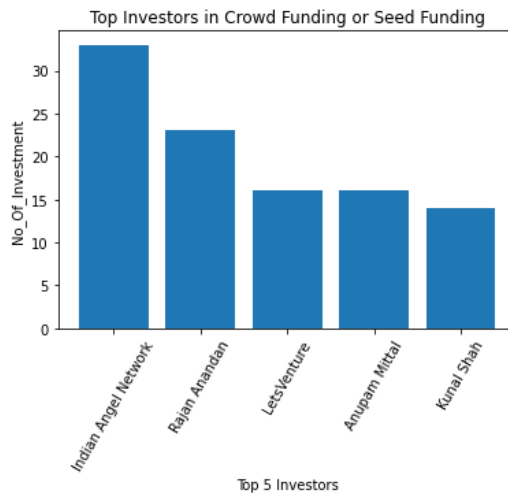
Question 3:



CODE- After reading the dataset, dropped null values from InvestorsName and StartupName column. Then correcting the names of the selected Startups as stated in the question and ignoring the undisclosed investors. Then creating 2 empty lists, iterate each row of InvestorsName and StartupName. Converting investor name in string format and split using comma. removing leading spaces and then using strip method. Then appending investor name and startup name. Then creating a key value pair and grouping on investor name and unique values in startup name and sort data in descending order. Then creating 2 empty lists, iterating till range of 5 and appending the results in the 2 lists respectively. Finally plotting a bar chart.

INTERPRETATION- In this case we get top investors who are investing more in different number of startups rather than in same startups. The probability of getting the investment from these investors is high.

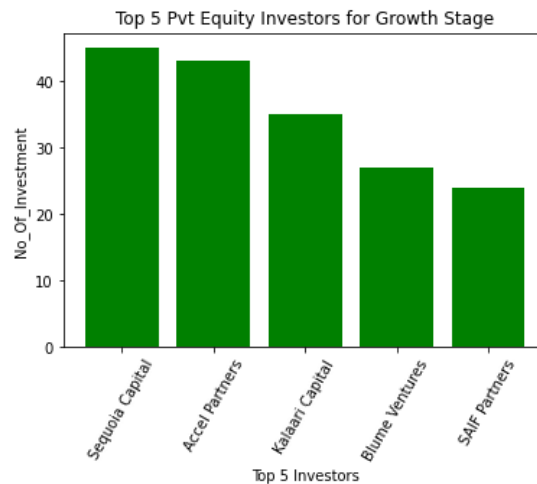
Question 4:



CODE- After reading the dataset, dropped null values from InvestorsName and StartupName column. Then correcting the names of the selected Startups as stated in the question and ignoring the undisclosed investors. Then correcting the spellings of the 3 investment types. (*There is only 1 entry of Debt Funding, the spelling of which is correct, so not included in code*). Choosing Crowd Funding and Seed Funding. Then creating 2 empty lists, iterate each row of InvestorsName and StartupName. Converting investor name in string format and split using comma. removing leading spaces and then using strip method. Then appending investor name and startup name. Then creating a key value pair and grouping on investor name and unique values in startup name and sort data in descending order. Then creating 2 empty lists, iterating till range of 5 and appending the results in the 2 lists respectively. Finally plotting a bar chart.

INTERPRETATION- The plot shows top investors who invested in startups where investment type is either crowd funding or seed funding. Besides this is also the list of top investors who are interested in the early stage of startups or new startups. Therefore, for seeking investment, these top investors should be considered.

Question 5:



CODE- After reading the dataset, dropped null values from InvestorsName and StartupName column followed by dropping 3 irrelevant columns. Then correcting the names of the selected Startups as stated in the question and ignoring the undisclosed investors. Then correcting the spellings of the 3 investment types. (*There is only 1 entry of Debt Funding, the spelling of which is correct, so not included in code*). Choosing Private Equity. Then creating 2 empty lists, iterate each row of InvestorsName and StartupName. Converting investor name in string format and split using comma. Removing leading spaces and then using strip method. Then appending investor name and startup name. Then creating a key value pair and grouping on investor name and unique values in startup name and sort data in descending order. Then creating 2 empty lists, iterating till range of 5 and appending the results in the 2 lists respectively. Finally plotting a bar chart.

INTERPRETATION-

These are the top investors who invested in startups where investment type is private equity. These investors are also interested to invest in growth stage of any startup or established startups. Therefore, established startups looking for investors can consider these top 5 investors.