INVESTMENT ASSIGNMENT

SUBMISSION

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Abstract:

This is the assignment to find the best way to invest on the stock market, based on the historical data.

The client wants to invest 5million to 15 million USD and interested to invest in English speaking country.

The data is provided by country wise and funding types to analyse. Company table has more of company information.

Mapping table has more of investment sector information. Rounds 2 is a table has information about invested stock information like Invested amount.

After cleaning up of metadata, joining these table to get the desired answers for the questions.

And finally client wants to see the top 3 English speaking countries which does the investment amount highest.

Problem solving methodology>

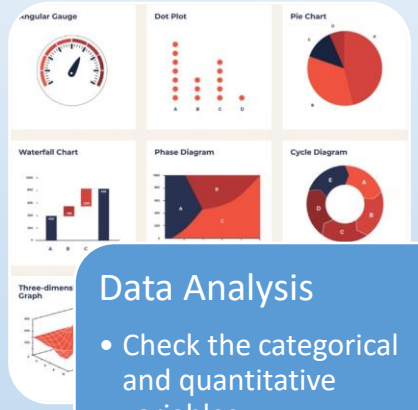
Use flow chart

Data Understanding

- Loading Data
- Reading and understand to clean
- Check number of rows and columns and datatypes

Data Cleaning

- Check null values and remove
- Correct the datatype according to the column
- Remove unwanted columns

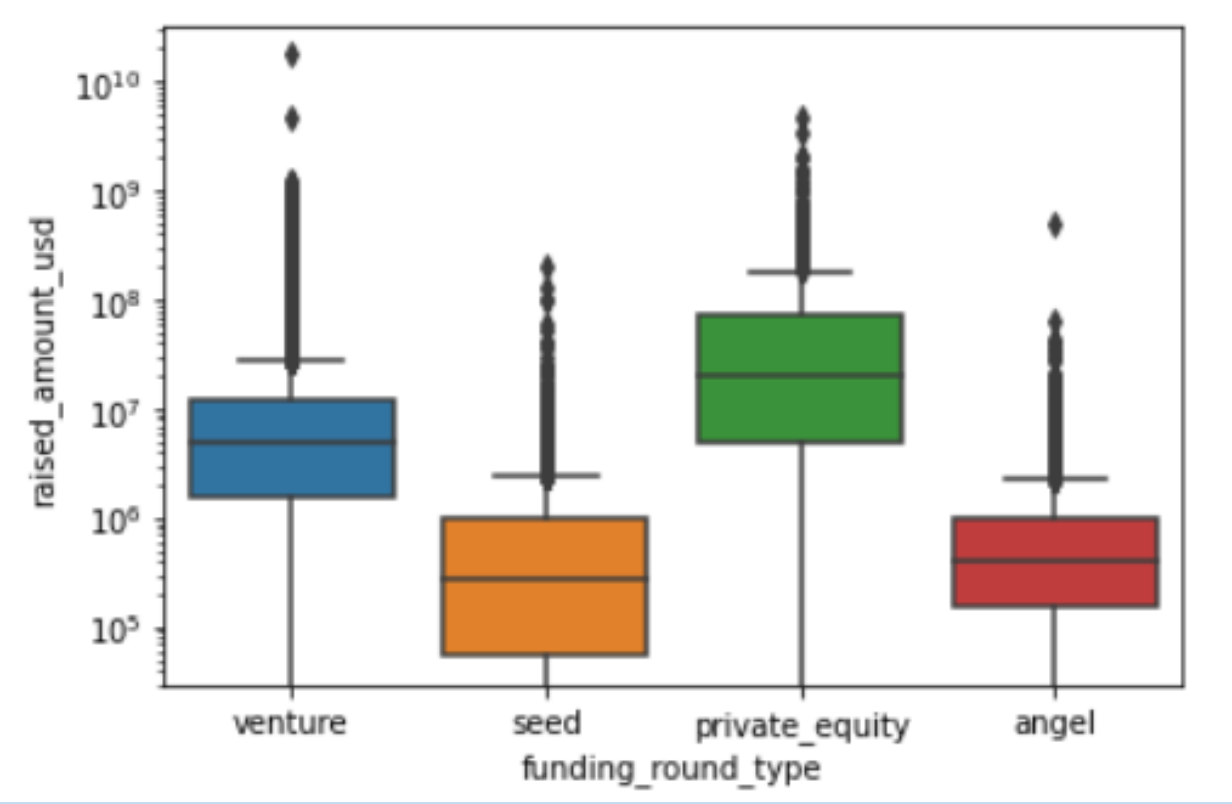


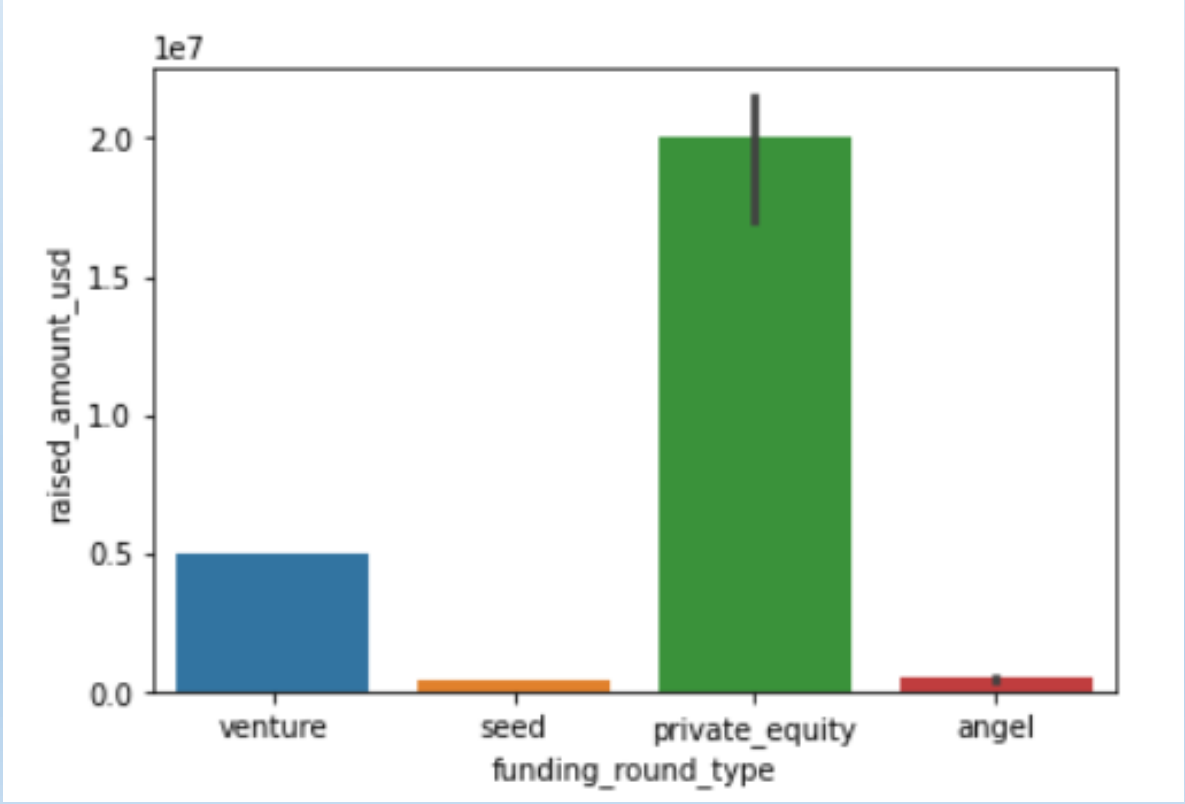
Data Analysis

- Check the categorical and quantitative variables
- Categorize the types of investment type and segmented univariate analysis to get broader picture

<Analysis>

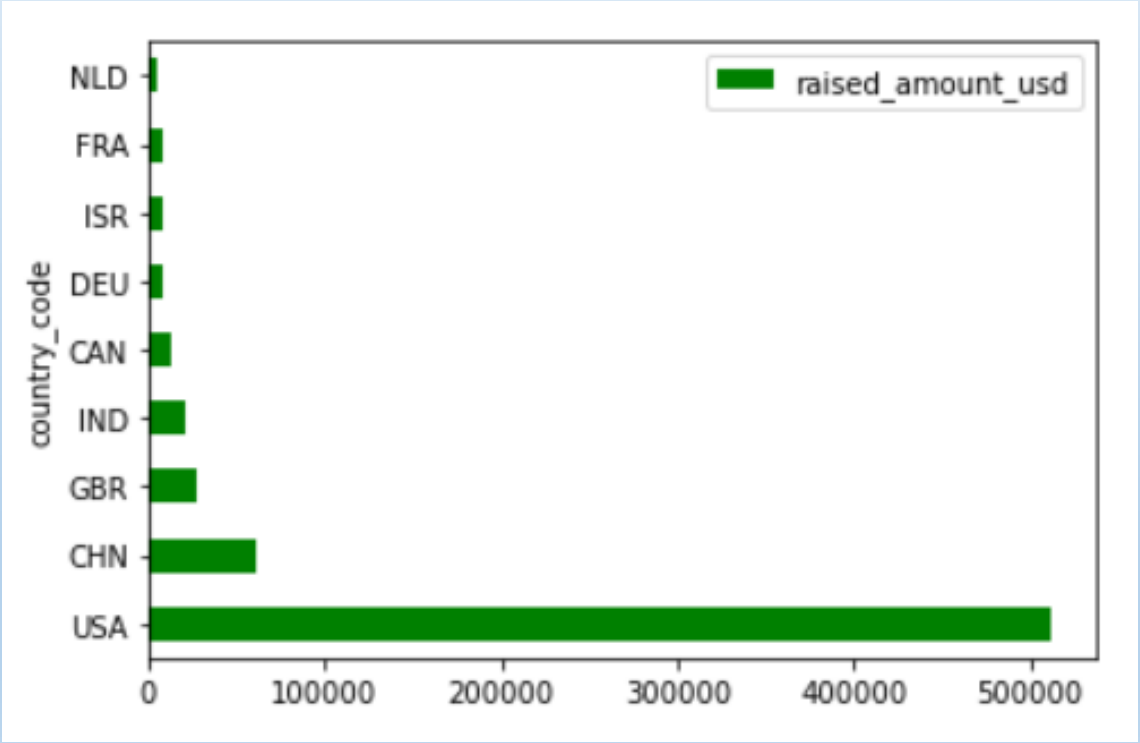
The below stats is for all the countries grouped by 4 major funding types. (pic1: median, pic2: median)





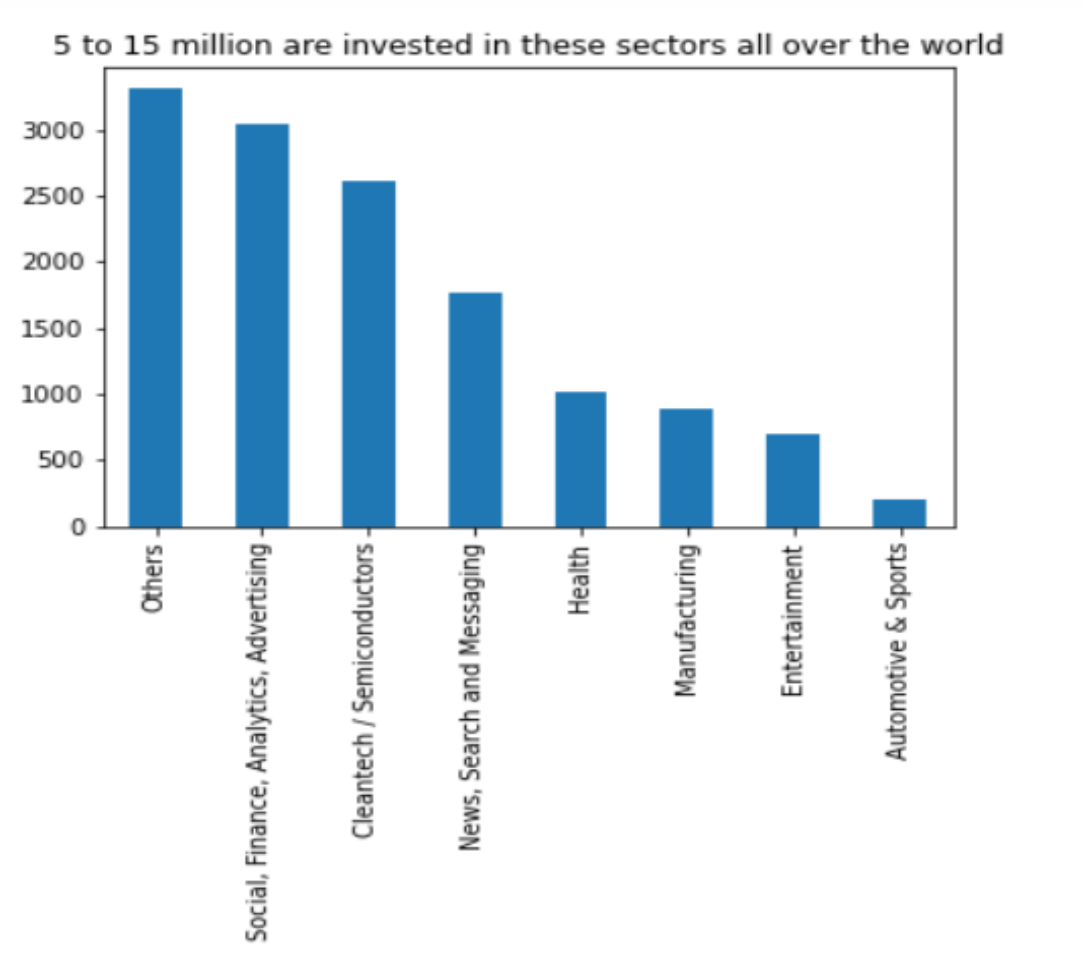
<Analysis>

Top 9 countries who invested more on the stocks [including non-English speaking countries]

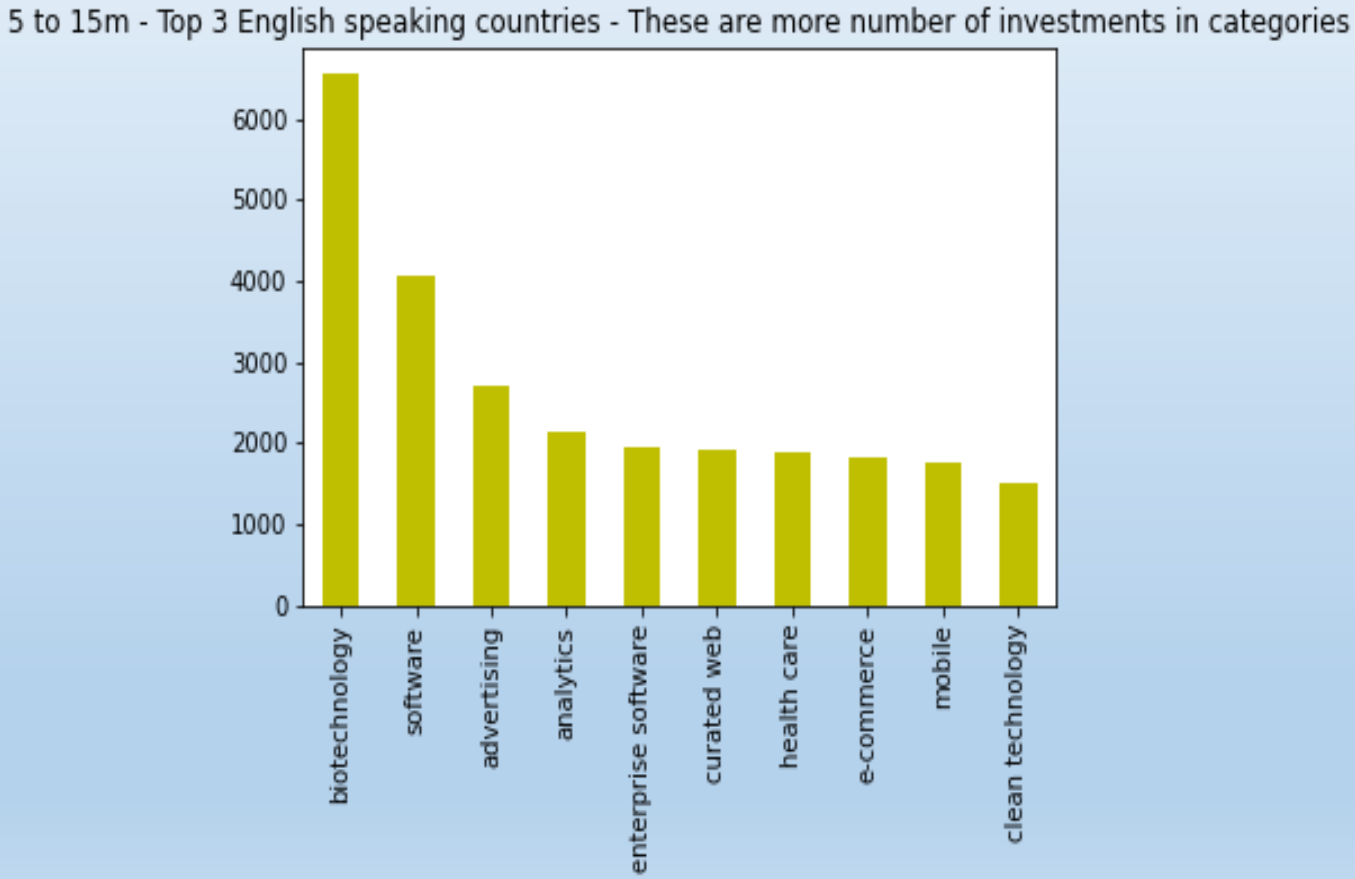


Top 3 English Speaking countries:
1. USA
2. GBR
3. IND

<Analysis>



Highest invested amount sectors



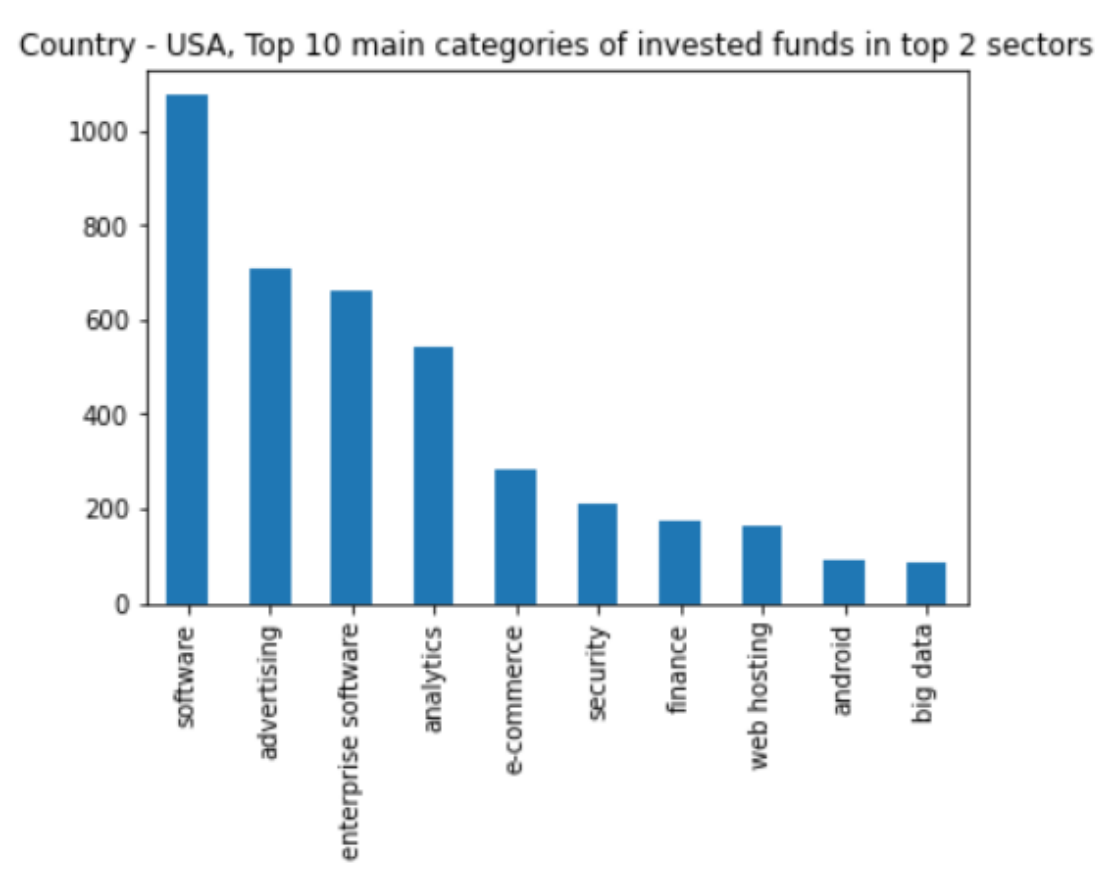
Highest number of rounds invested categories

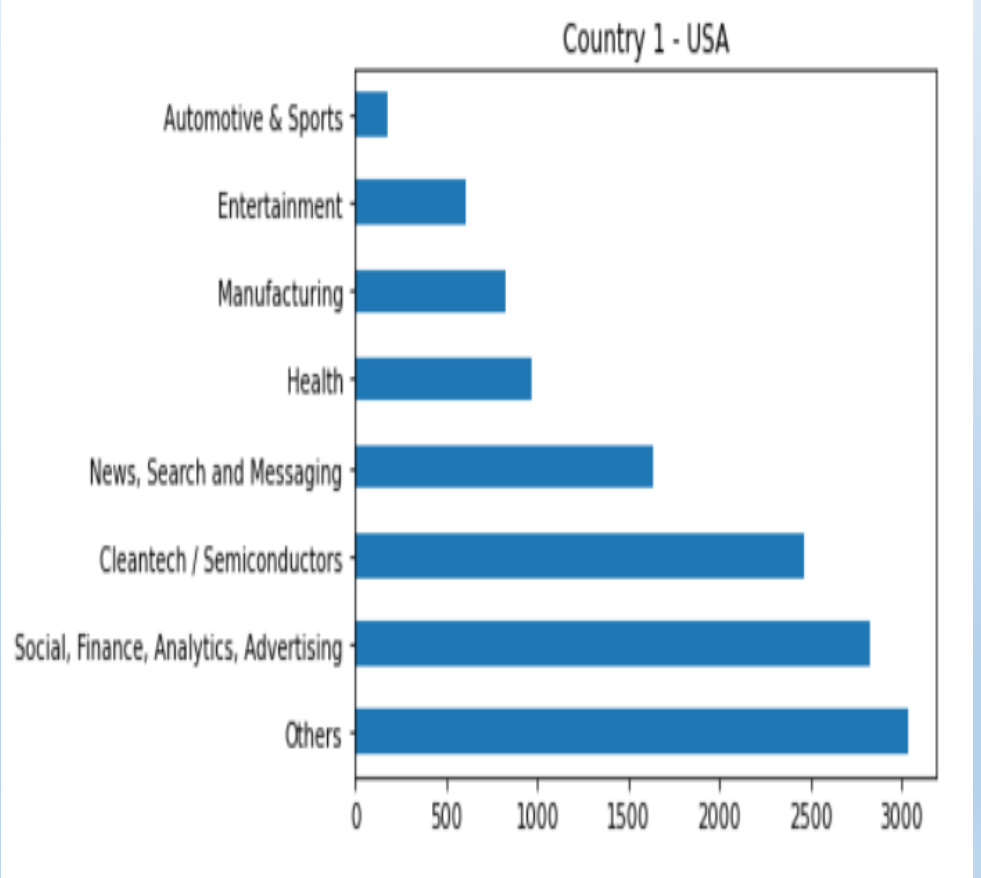
<Results>

Category wise stats of high invested stocks. Category is categorize under sector.

Sector wise stats of high invested stocks

Plot 1





Software and E-commerce takes advantage of gaining more than other categories in GBR.

<Results>

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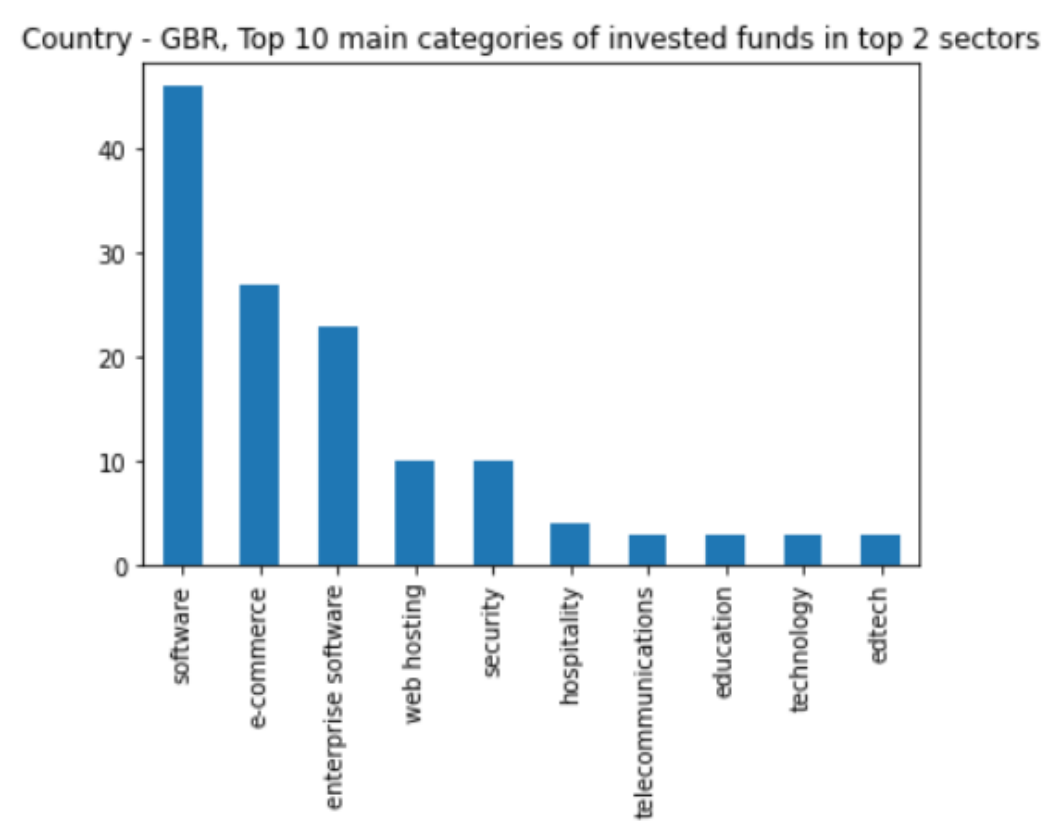
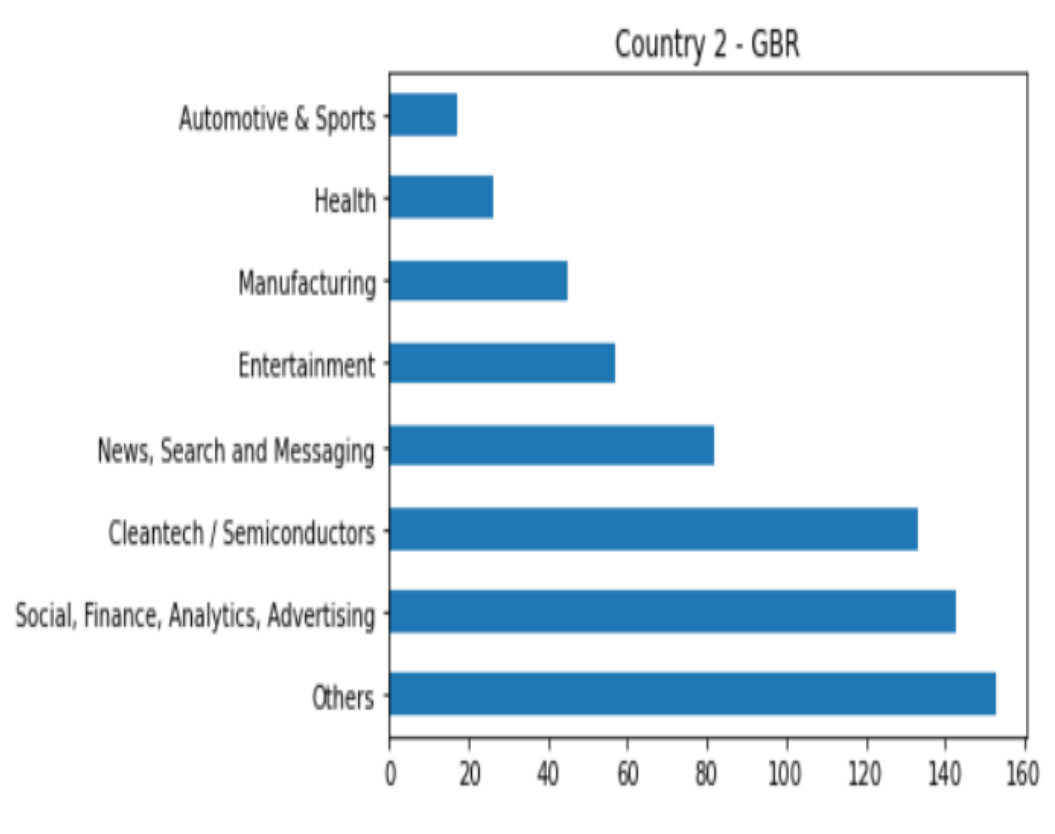
Sector wise stats of high invested stocks



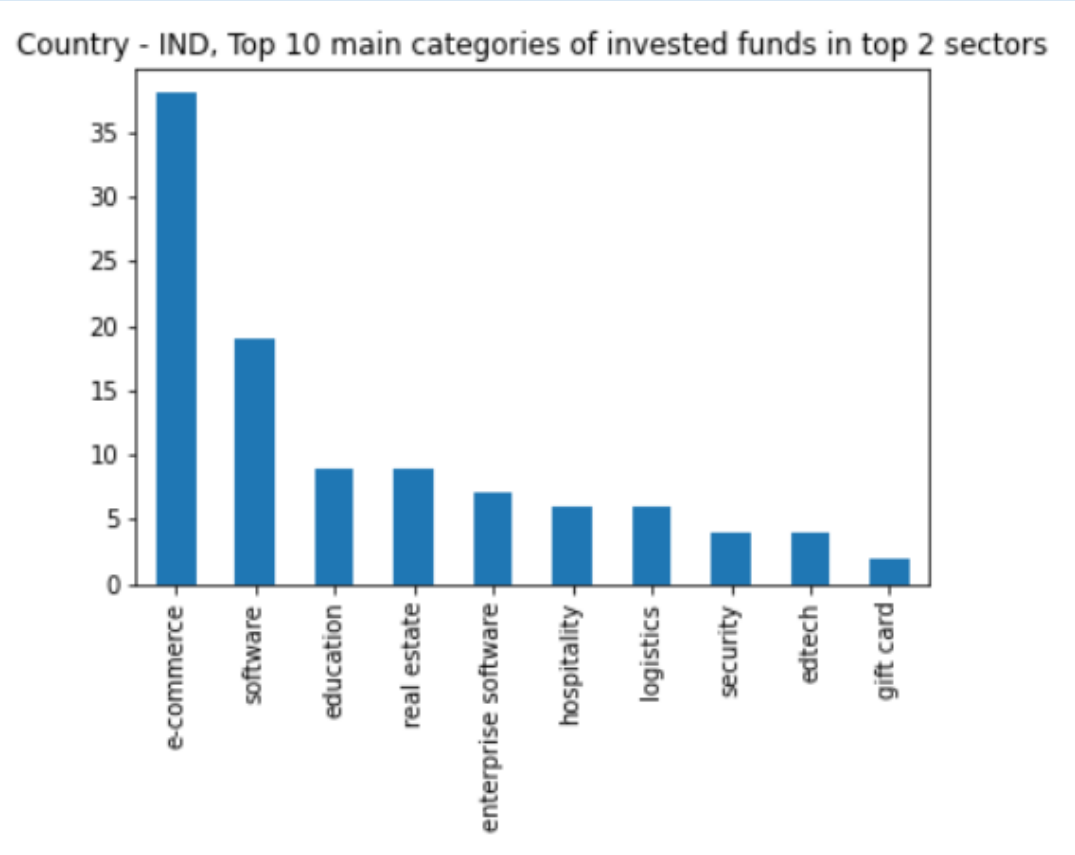


Software and E-commerce takes advantage of gaining more than other categories in GBR.

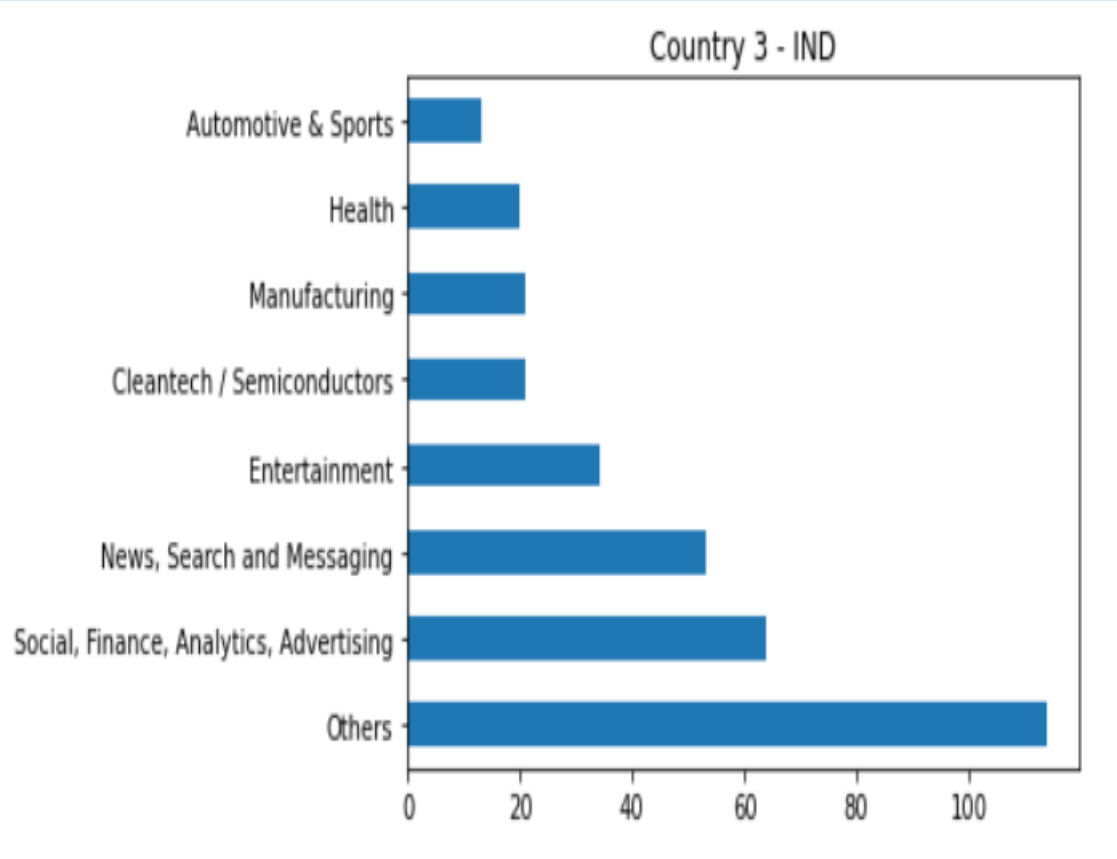
<Results>

Plot 3

Category wise stats of high invested stocks. Category is categorize under sector.



Sector wise stats of high invested stocks



E-commerce and software is performing best in India

<Conclusions>

Analysis Result :

Based on the data analysis performed, Sparks Funds should invest in -

- Funding type - Venture.
- Countries : USA, Britain & India.
- Top two sectors to invest in are - Others and Social, Finance, Analytics, Advertising.