INVESTMENT ASSIGNMENT

SUBMISSION

Name: Nirmal Kumar

Investment Analysis

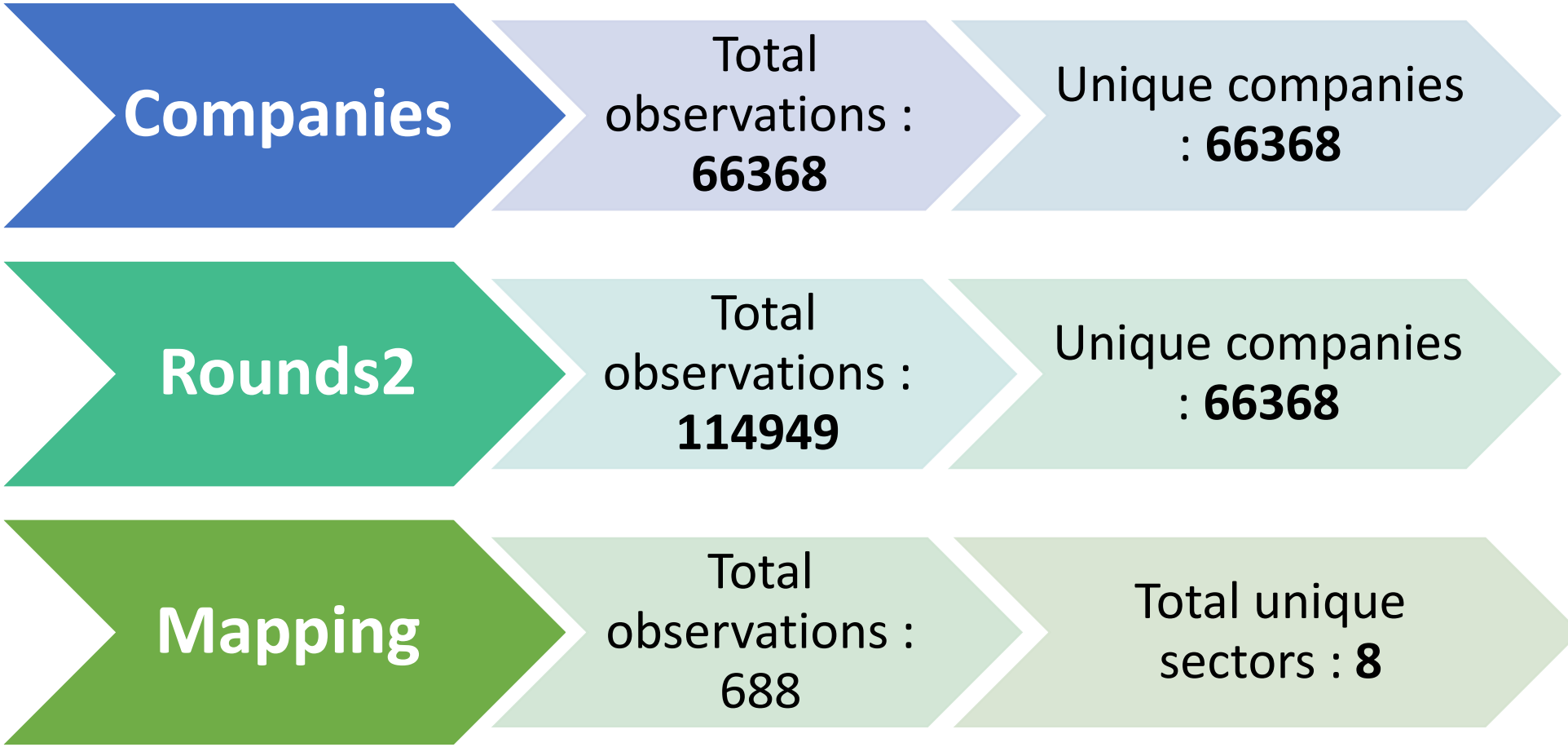
Objective:

To understand the global trends in the investments so that SPARK FUNDS can take investment decision effectively

Constraints :

1. Investment Amount : 5 to 15 million USD per round of investment.
2. English-speaking countries only

Data sets


Companies
Total observations : 66368
Unique companies : 66368
Rounds2
Total observations : 114949
Unique companies : 66368
Mapping
Total observations : 688
Total unique sectors : 8

Problem solving methodology

- Data sourcing
- Data cleaning
- Data analytics

Data Sourcing

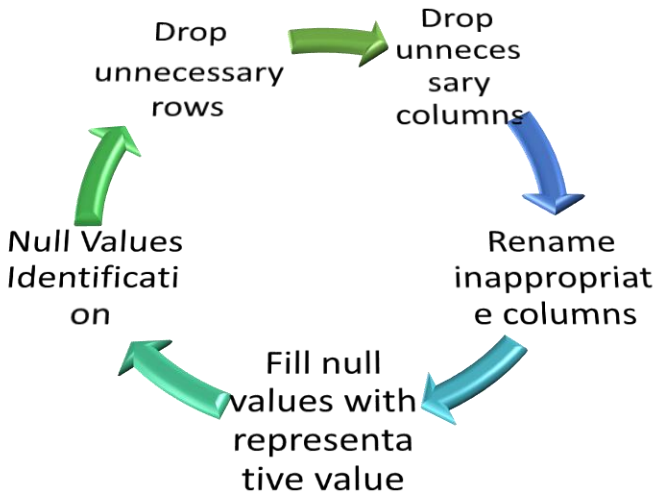
Companies(csv)
- Unique ID1 : Permalink

Rounds2(csv)
- Unique ID1 :Company permalink
- Unique ID2 :Category list

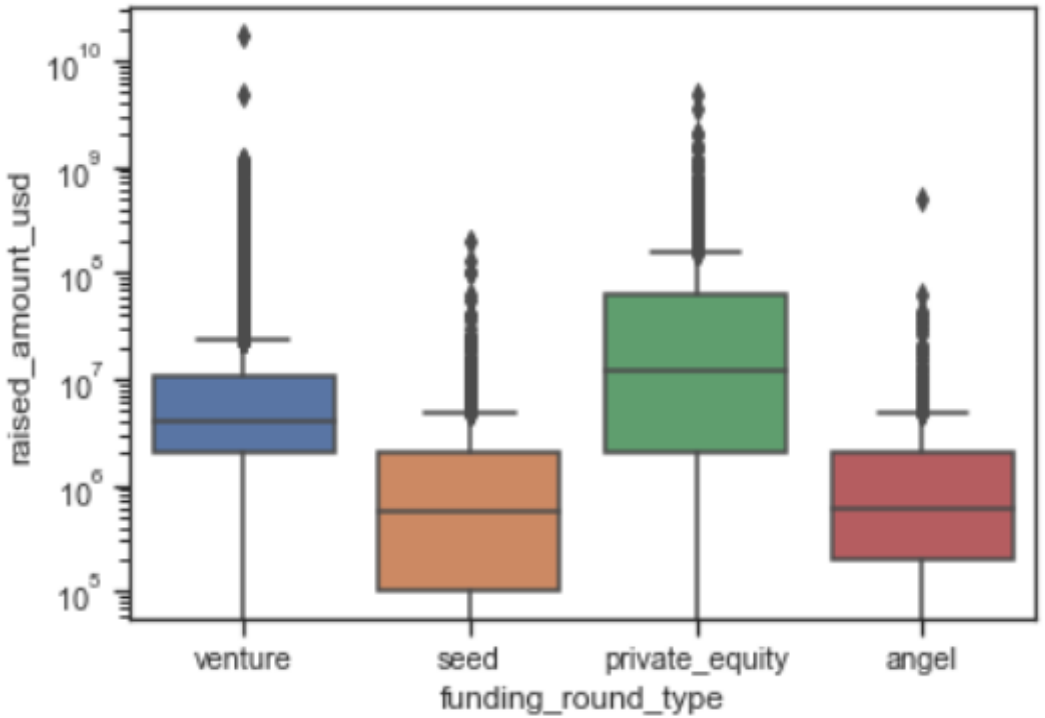
Mapping(csv)
- Unique ID2 :Category List

Master
- Data frame

Data Cleaning



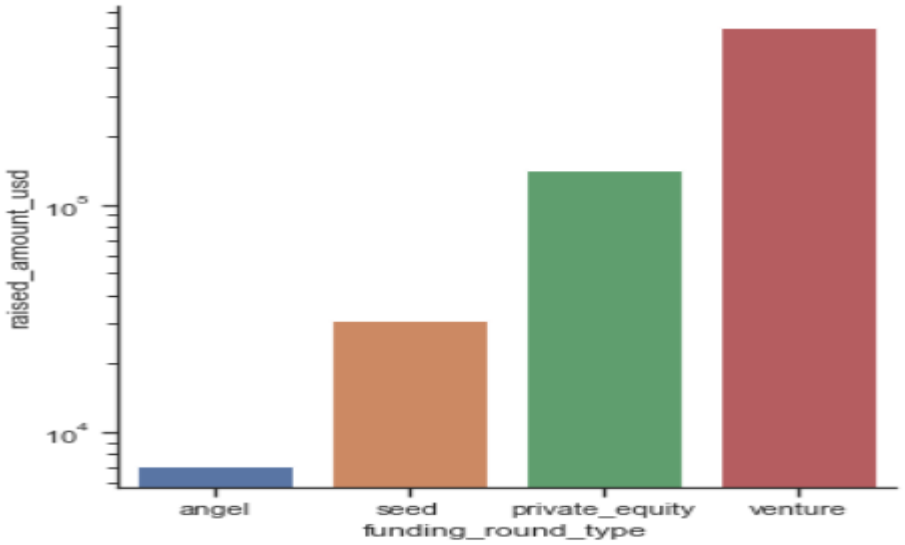
Spread of investment amount – Analysis using Box plot



Fund Types	Representative amounts(in Million USD)
Angel fund	0.60
Seed fund	0.575
Venture fund	4
Private equity fund	12.12

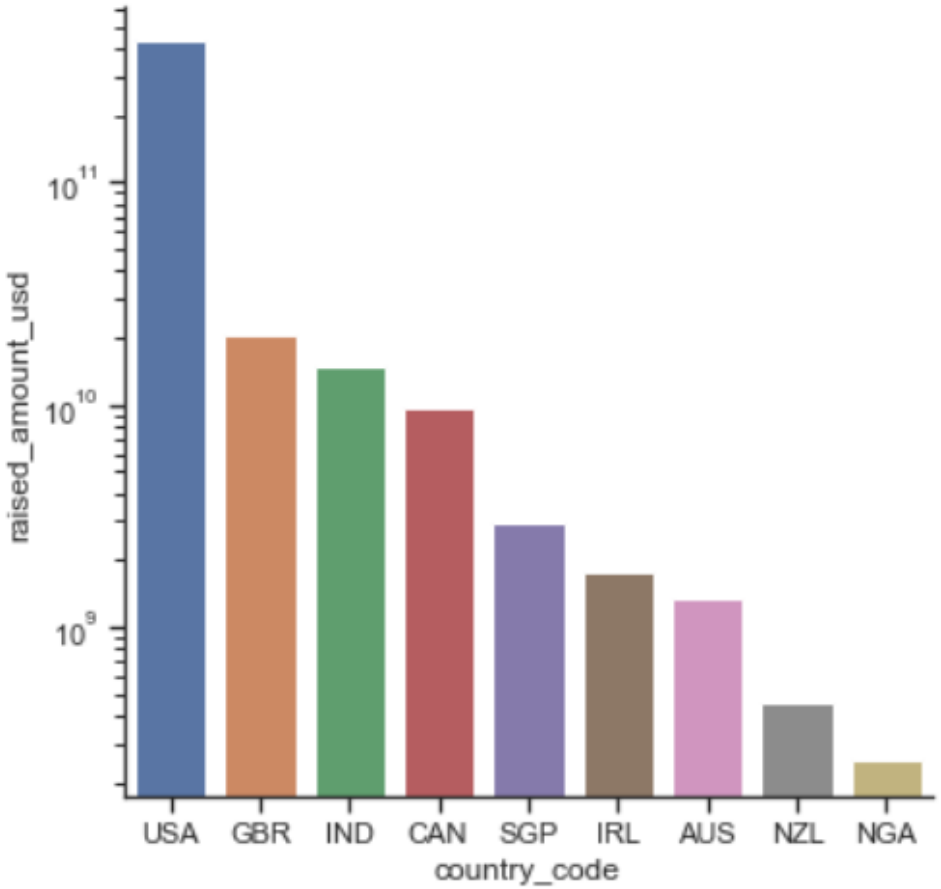
Fund wise investment

Fund type Vs Investment Amount



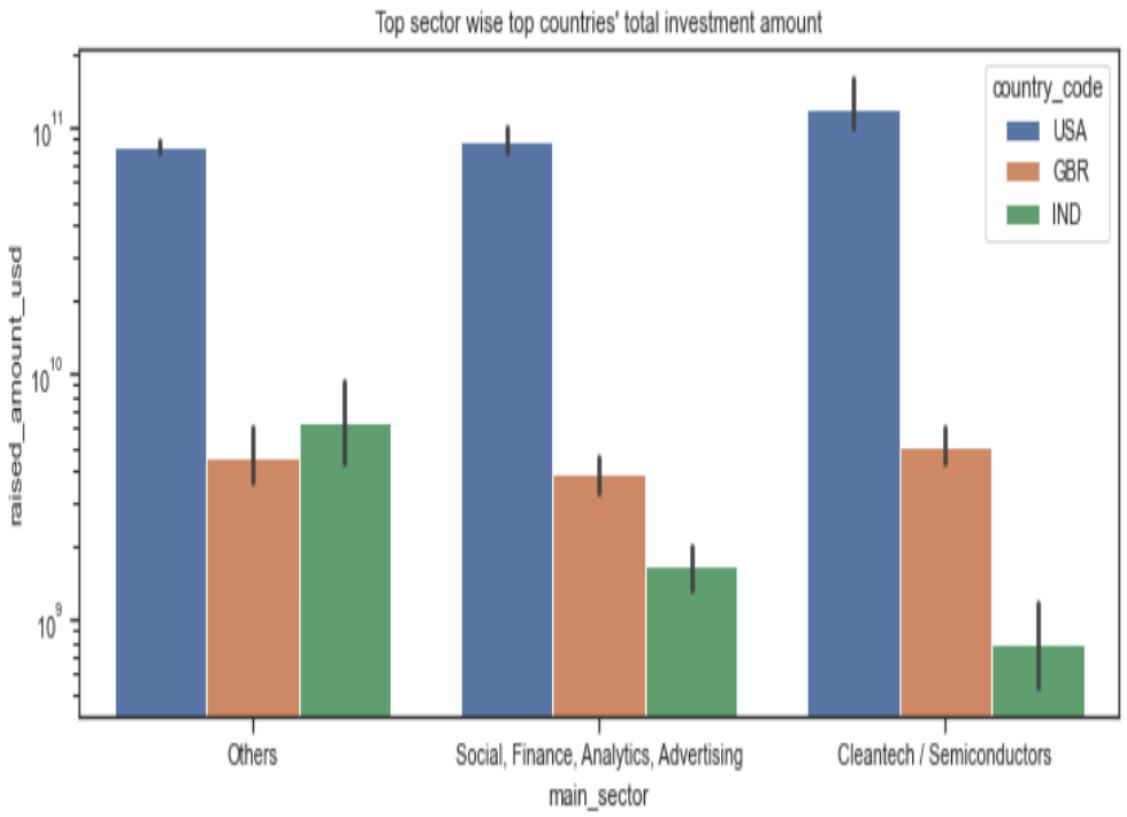
Fund type	Investment amount(in Million USD)
Angel	7,127.26
Seed	30,831.86
Venture	6,00,658.22
Private equity	1,42,623.44

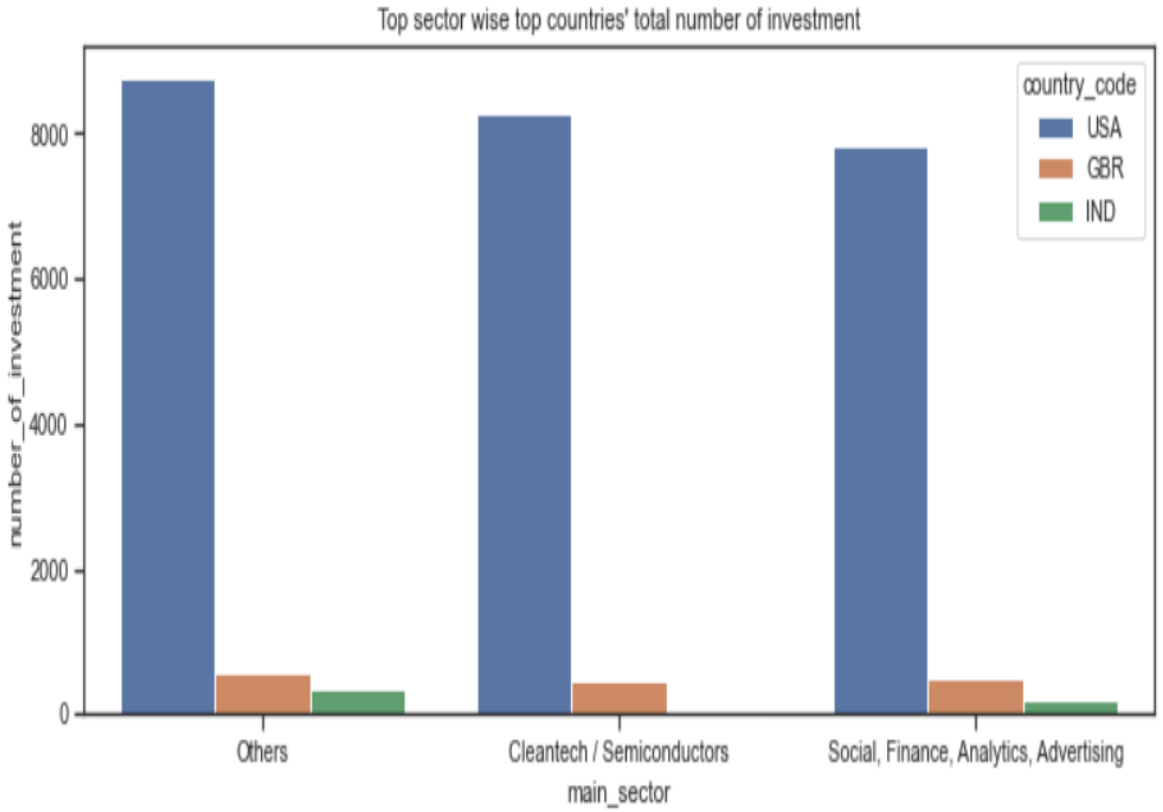
Top 9 Countries Investment plot



Top 3 Countries	Investment amount(in Million USD)
USA	4,26,976.84
United Kingdom(UK)	20,741.63
India(IND)	14,727.86

Top 3 Countries and Top 3 Sectors Vs investment amount and Number of investment plot





Conclusions

Sr.No	Attributes	United States of America(USA)	United Kingdom(GBR)	India(IND)
1	Total number of Investments (count)	38372	2303	992
2	Total amount of investment (million USD)	4,26,976.84	20,741.63	14,727.86
3	Top Sector name (no. of investment-wise)	Others	Others	Others
4	Number of investments in top sector	8763	580	332
5	Company received the highest investment	social-finance	oneweb	flipkart

- Top investment country is ***USA***
- Top sector is ***Others***
- Top company is ***social-finance***