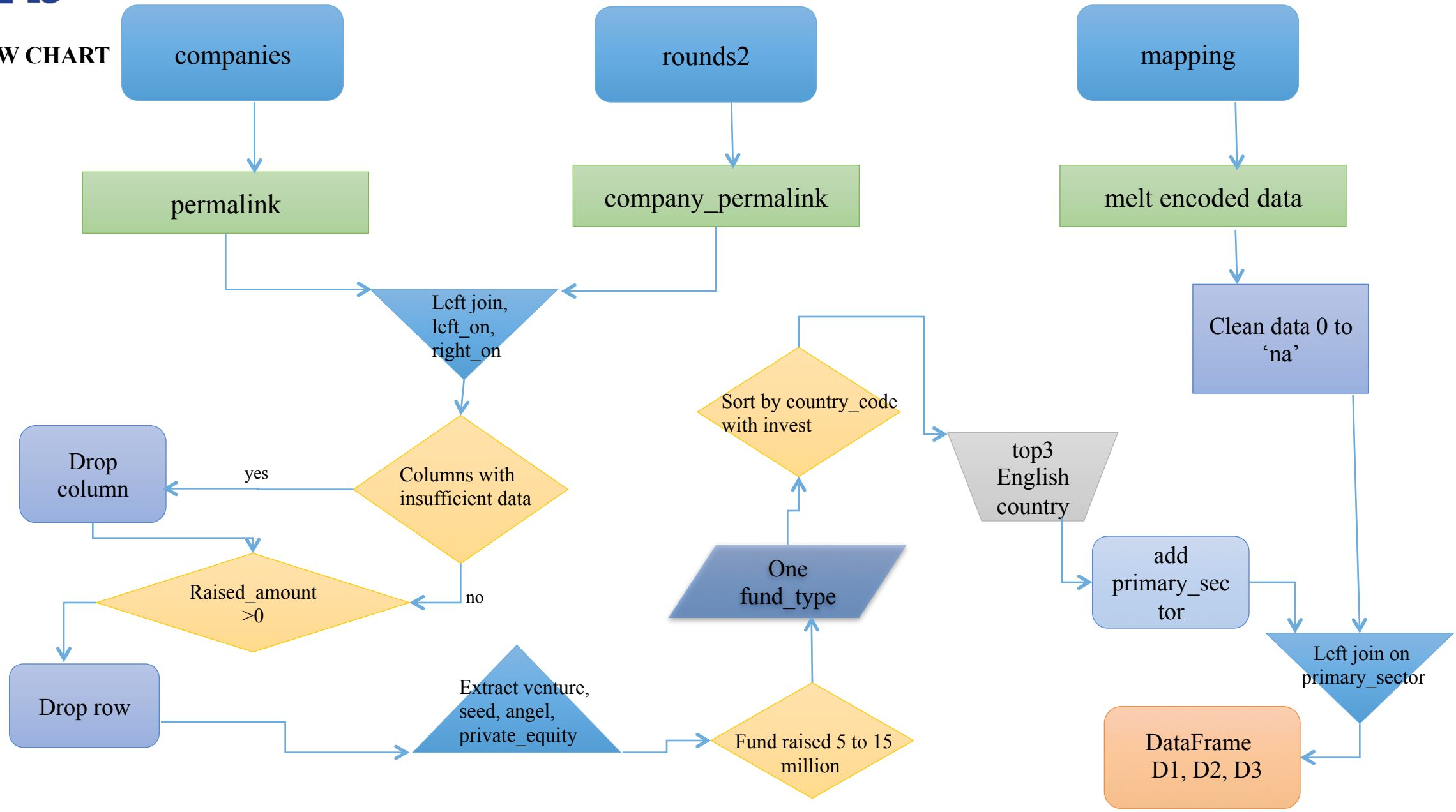


INVESTMENT ASSIGNMENT SUBMISSION

Name: PRIYANSHU

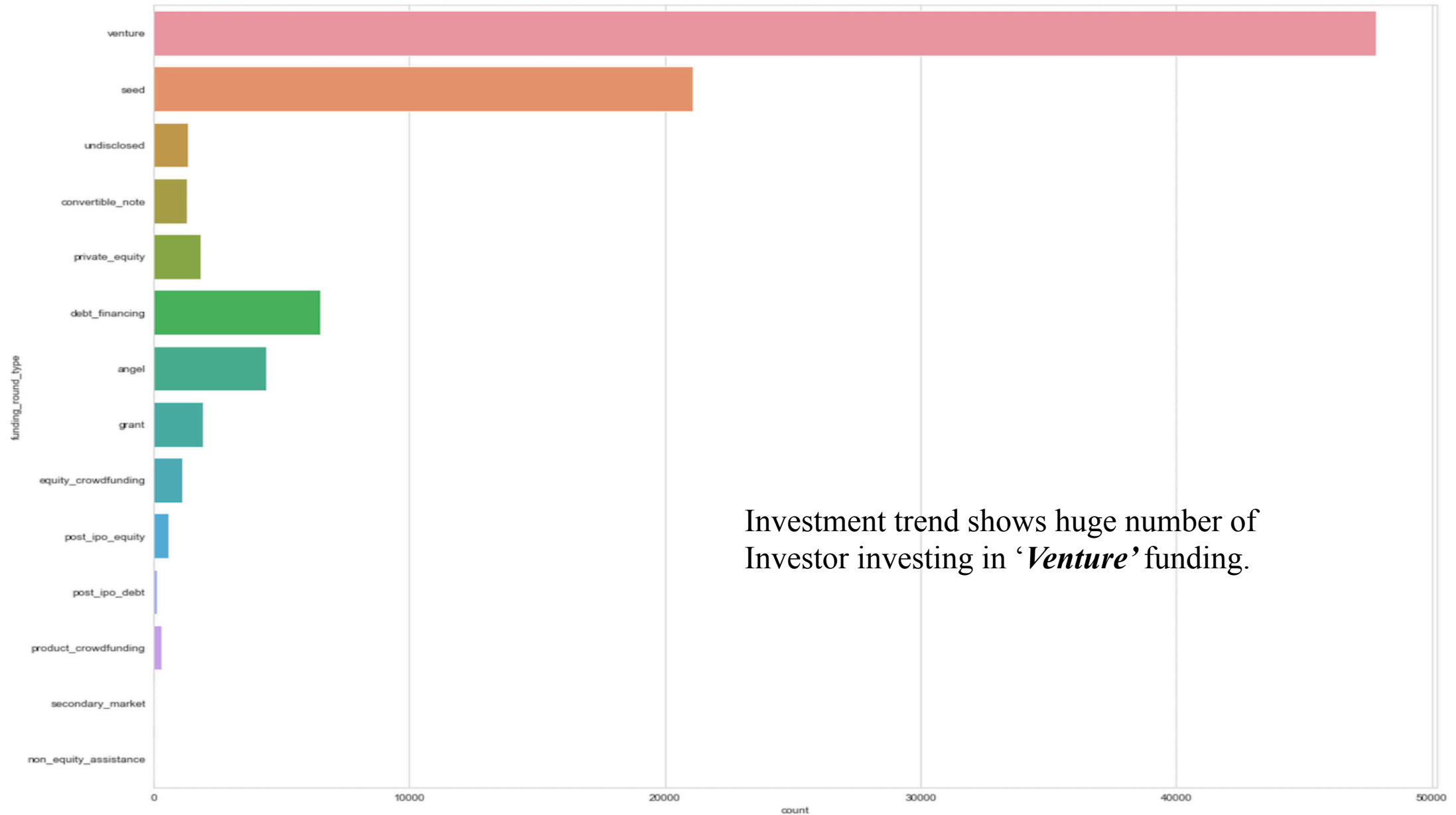
Spark Funds Investment

- Spark Funds want to make investments in few companies.
 - Spark Funds want to understand the global trends in investments so that she can take the investments decision efficiently.
 - Spark Fund want to invest in where other investors are investing.
- Spark Funds has two minor constraints for investments:
1. It want to invest between **5 to 15 million** USD of per round of investment.
 2. It want to invest in only English-speaking countries because of ease of communication with the companies it would invest in.



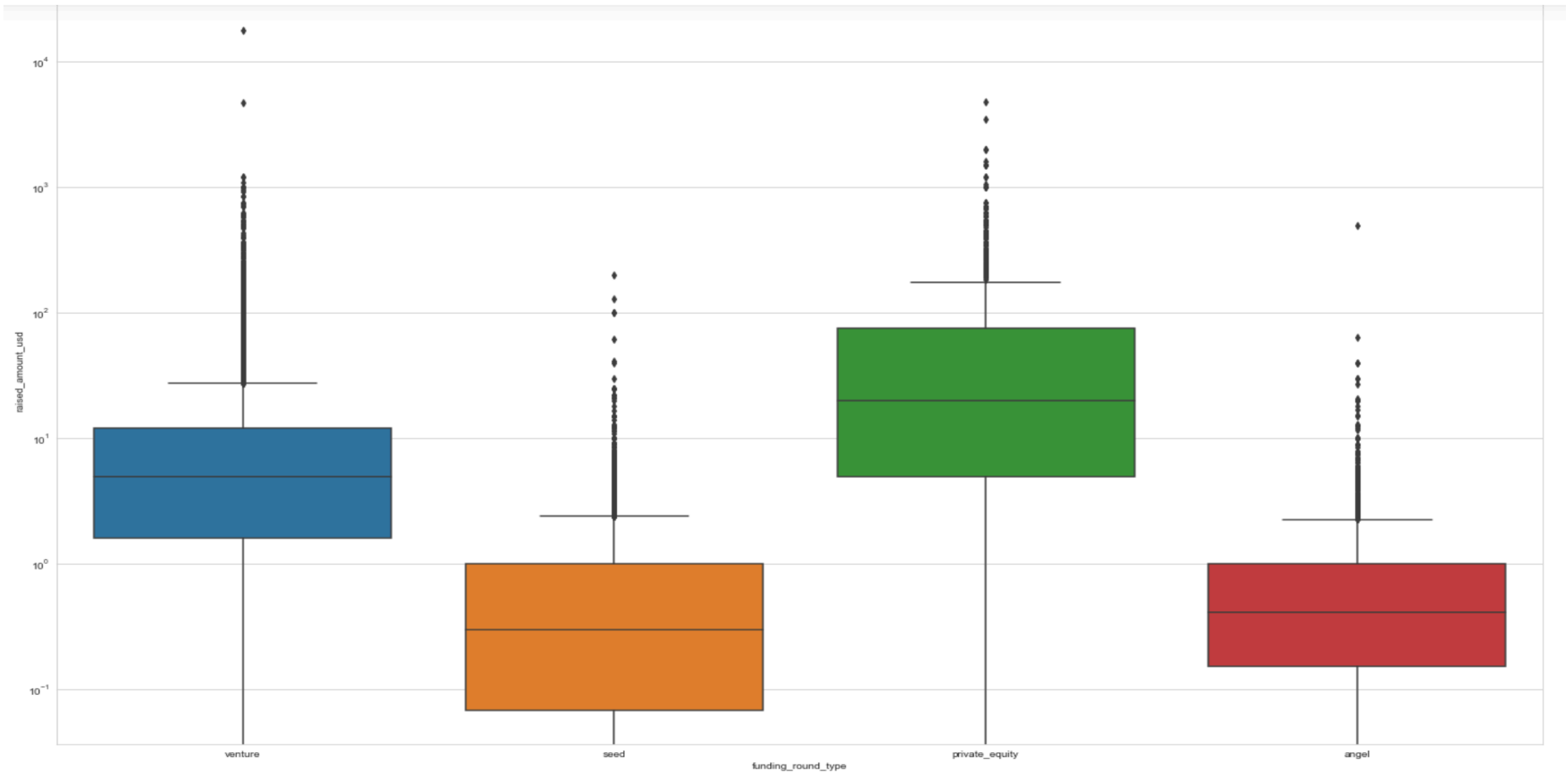
Analysis

- Check for encoding issue in files.
- Check for NAN values and special characters.
- Drop unnecessary and non-contributing columns.
- Drop rows based on null columns
- Split the multiple sub-sectors using '|’.
- Replace the values 0 to na.
- Using melt()- Merge dataframe in format where one or more columns are identifier variables and others columns are considered as measured variables.



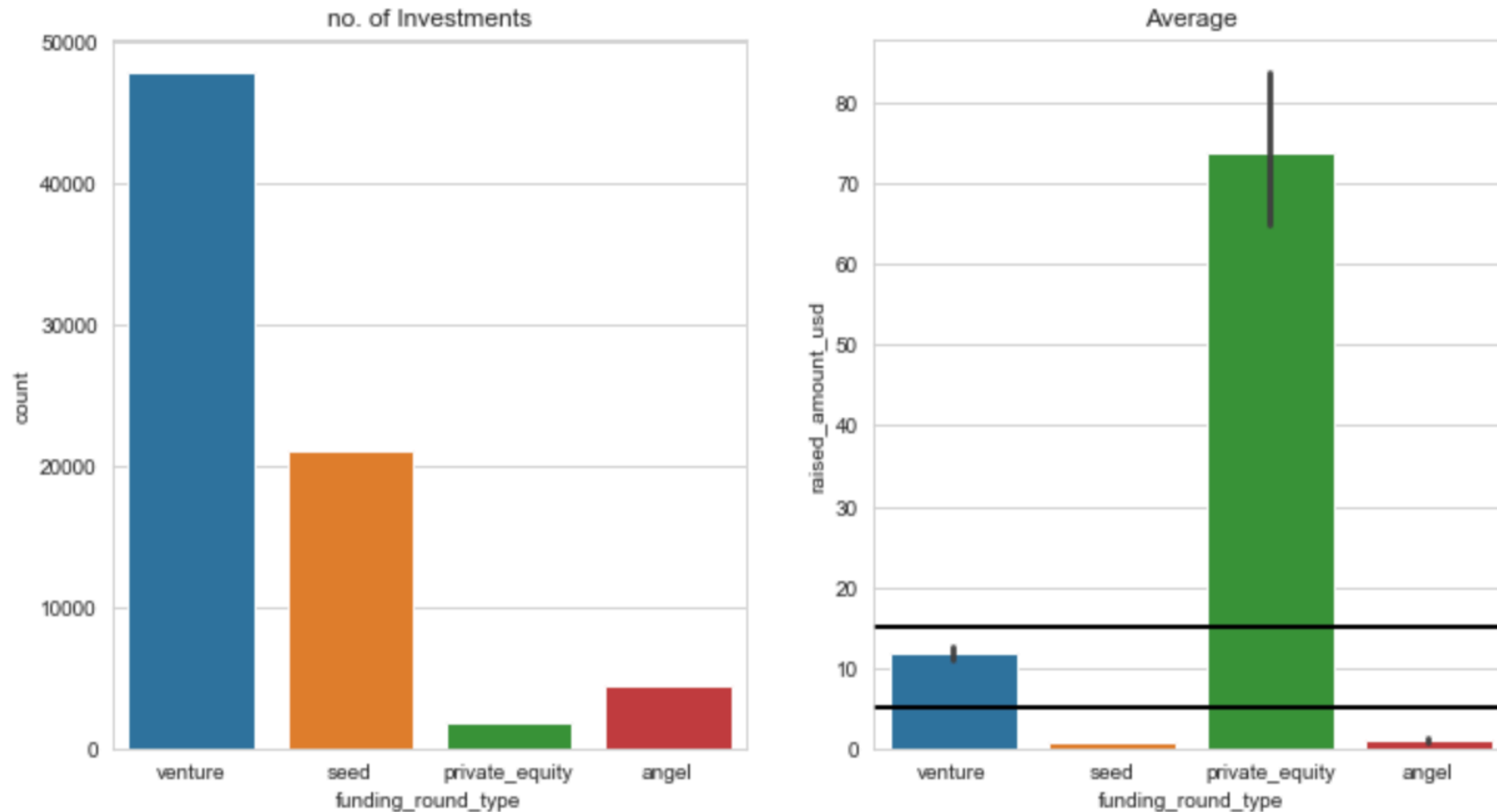
Investment trend shows huge number of Investor investing in ‘*Venture*’ funding.

Boxplot shows raised amount USD across 4 main categories



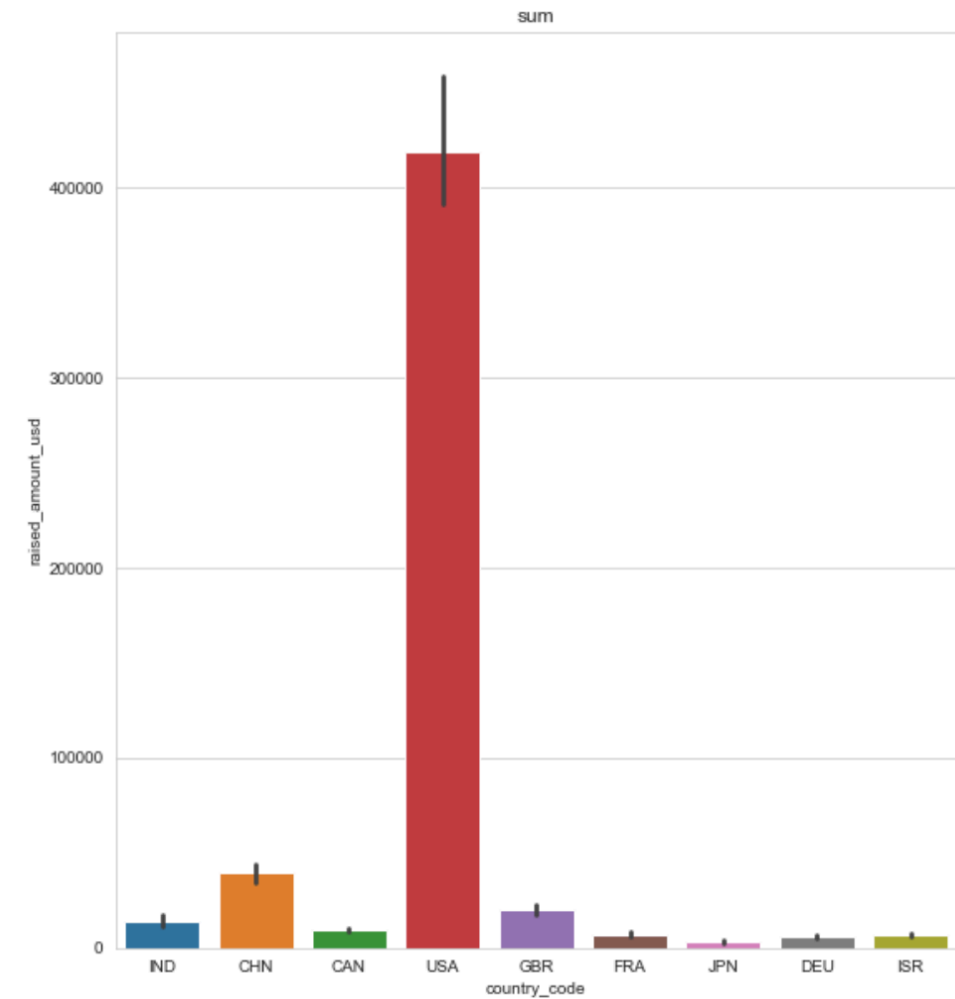
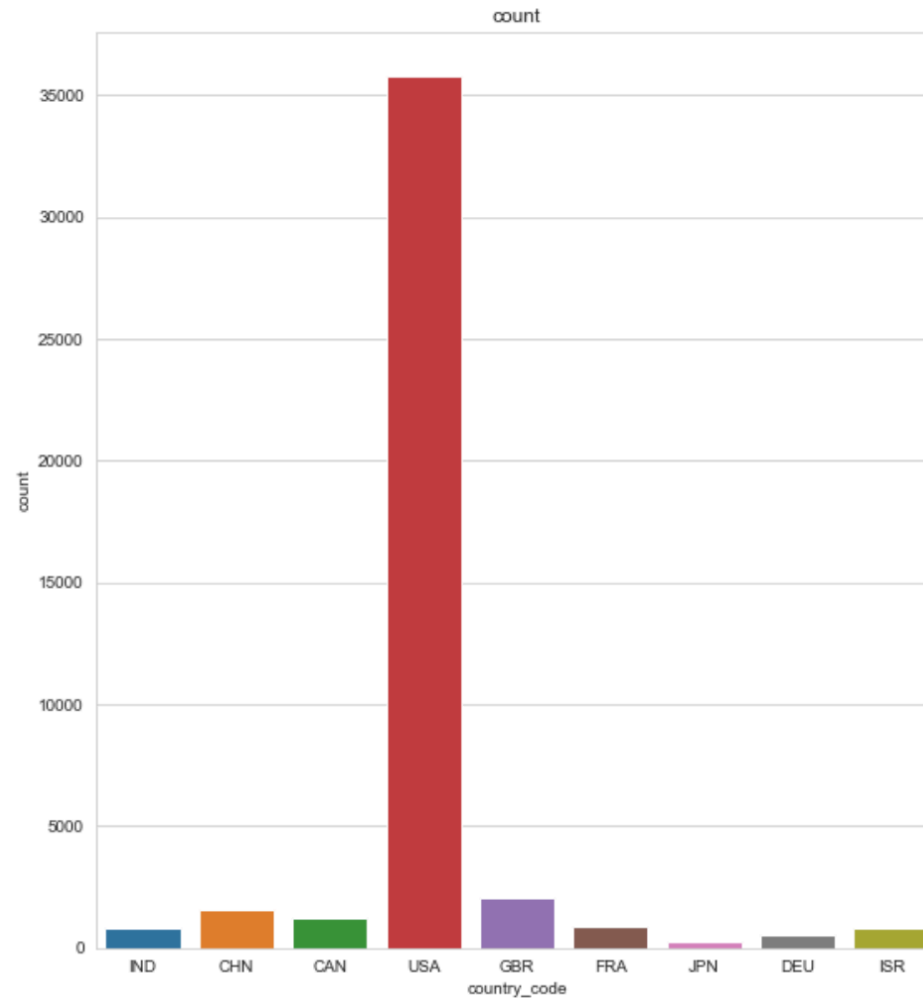
- Fraction of investments in venture, seed, private_equity and angel and the average of amount of investment in each funding type '*Venture*' and it has more investments between 5 to 15 million.

Plot 1



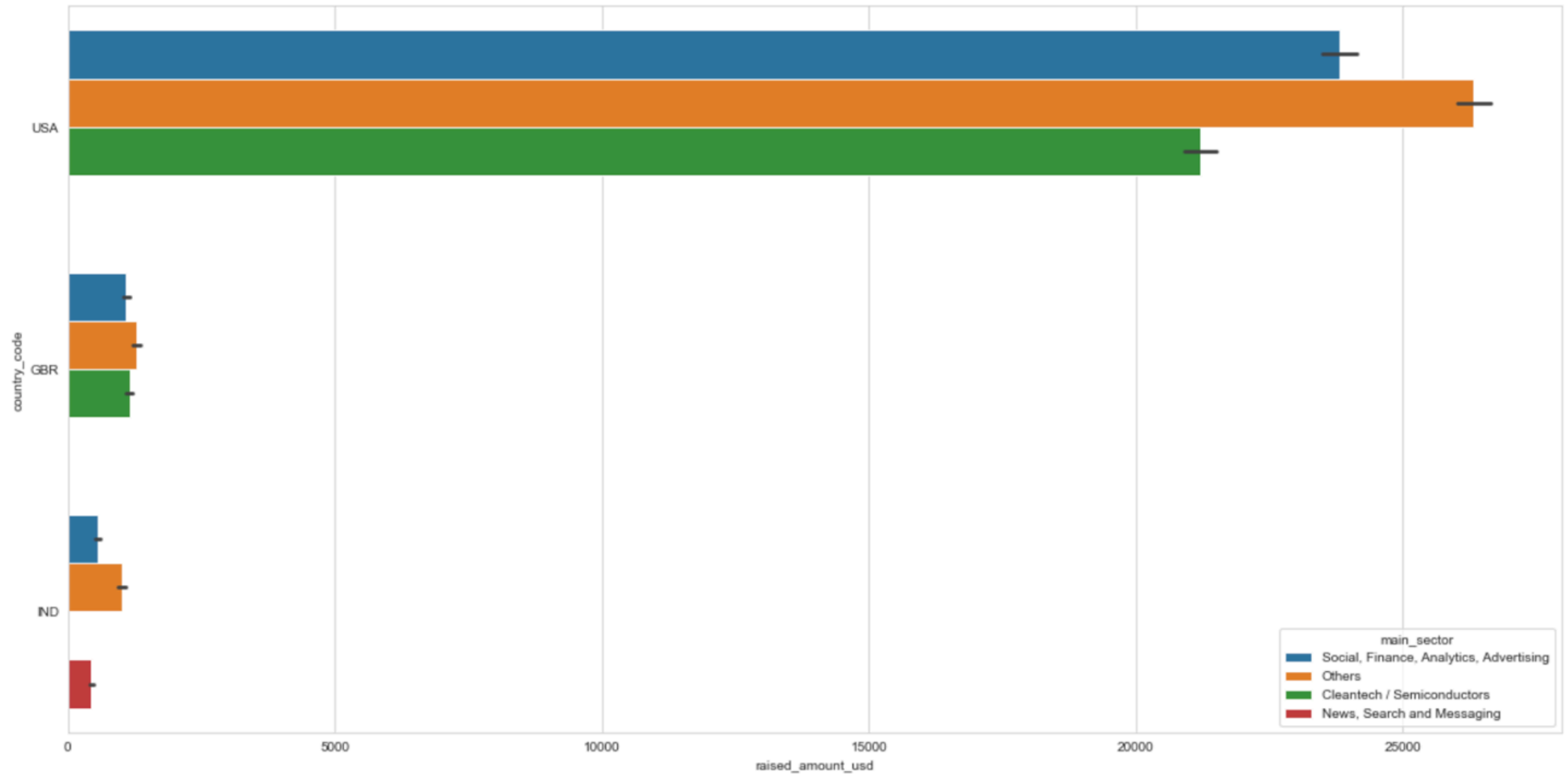
Top9 countries against the total amount of investments of funding type '*Venture*'

Plot 2



Number of investments in top3 sectors of top3 countries

Plot 3



Conclusions

- From the analysis of funding type trend shows huge amount of investments in '*Venture*'.
- From the investment in **venture**, **seed**, **private_equity** and **angel**, There is huge amount of investment between 5 to 15 million in '*Venture*'.

Now we know from the analysis through plots that funding type in '*Venture*' has lots of investments, So based on the analysis of sectors '*Social, Finance, Analytics and Advertizing*' is the most suitable sector and '*USA*' is most suitable country to invest.