INVESTMENT CASE STUDY

SUBMISSION

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Main Aim Of Investment Analysis

Business Objective

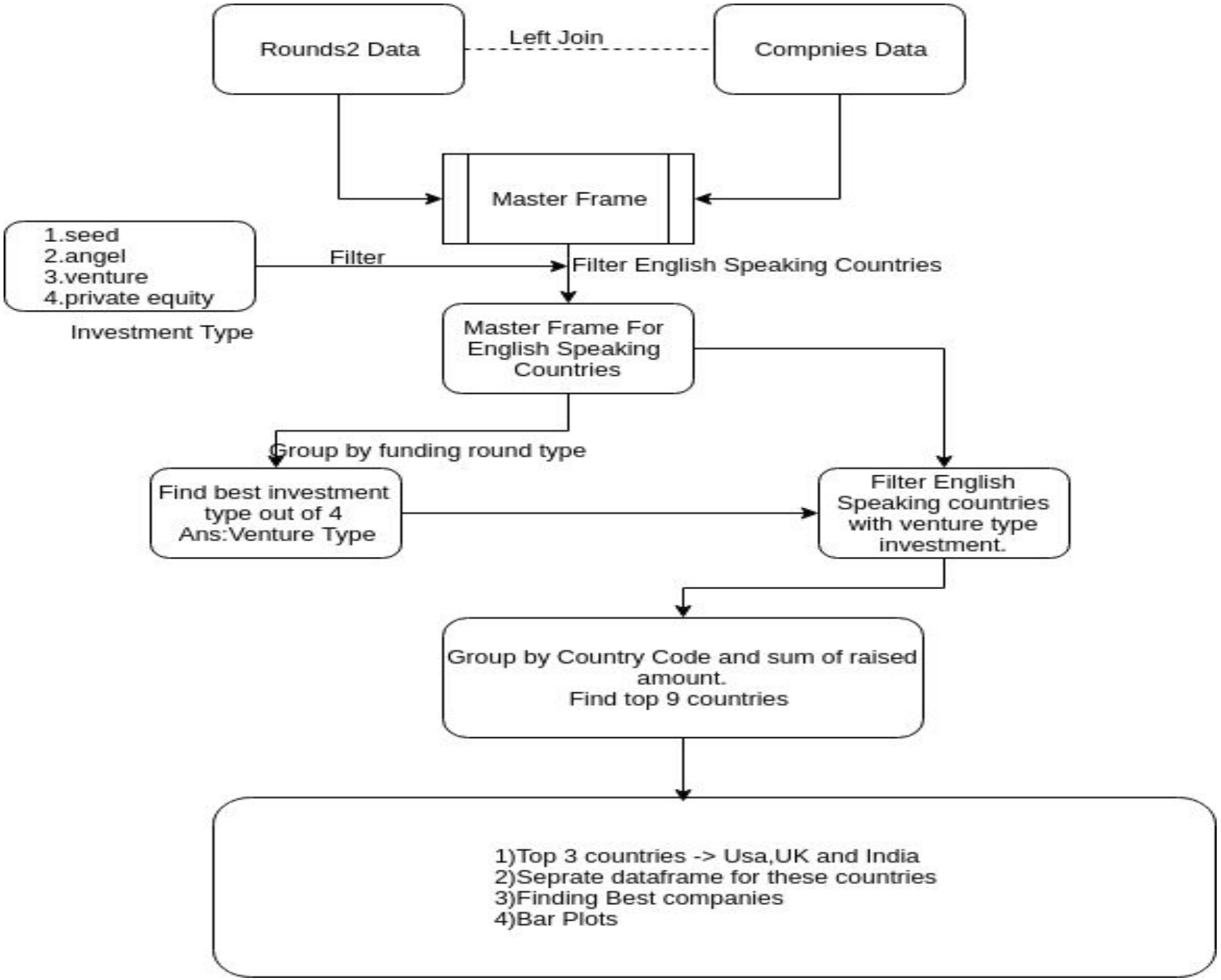
1. Find where others are investing.
2. Find best sectors.

Goals:

1. Take care of company constarinats .
2. Identify Best Sector.
3. Identify Best Country.
4. Identify Best Investment Type.

Constraints

1. Per round of investment between 5 to 15 million USD.
2. Country must have english as official language.
3. Spark fund wants to invest in one of following investment types.
    - Seed
    - Angel
    - Venture
    - Private Equity


Rounds2 Data
Left Join
Compnies Data
Master Frame
1.seed
2.angel
3.venture
4.private equity
Investment Type
Filter
Filter English Speaking Countries
Master Frame For English Speaking Countries
Group by funding round type
Find best investment type out of 4
Ans:Venture Type
Filter English Speaking countries with venture type investment.
Group by Country Code and sum of raised amount.
Find top 9 countries
1)Top 3 countries -> Usa,UK and India
2)Seprate dataframe for these countries
3)Finding Best companies
4)Bar Plots

Master Frame

1. Join companies dataframe and rounds2 .
2. Rounds2 data on left and companies on right.
3. Join on premalink(compnies) and compnise_permalink(rounds_2)
4. Type of join left.
5. Convert unique col in both dataframes and remove any unicode(help in joining to dataframes).

Observation .

Unique companies in rounds2?	66368
Unique companies in master farme	66368
Unique col in companies df and rounds 2 df	Permalink,compney_permalink
no of rows and col	114949,16

Analysis Constraints.

1) Must be english as one official language.
2) Funding per round must be between 5 to 15 million **USD.**
3) Must be one of four investment type seed.angel,venture and equity.

Logic.

1. Make list of english speaking countries form pdf.
2. Find country code for these countries from countries.csv.
3. Filter master frame on basis of english speaking countries code.
4. From filter data of english speaking countries filter Investment type.

Observation .

Total English Speaking Countries.	59
Final Data for english speaking countries dataframe name	data_of_english_speaking_countries(86441 rows ,16 cols)
Final Data for english speaking countries with filtered investment type dataframe name.	selected_four_investment_type(639844 rows,16 col)

Suitable Venture Type And Country

1. Group data on funding_round_type and find mean of raised_amount_usd.

Observation:

funding_round_type	raised_amount_usd
private_equity	62332471.55
venture	11540766.02
angel	855074.97
seed	821050.88

Venture Type is most suitable for spark funds

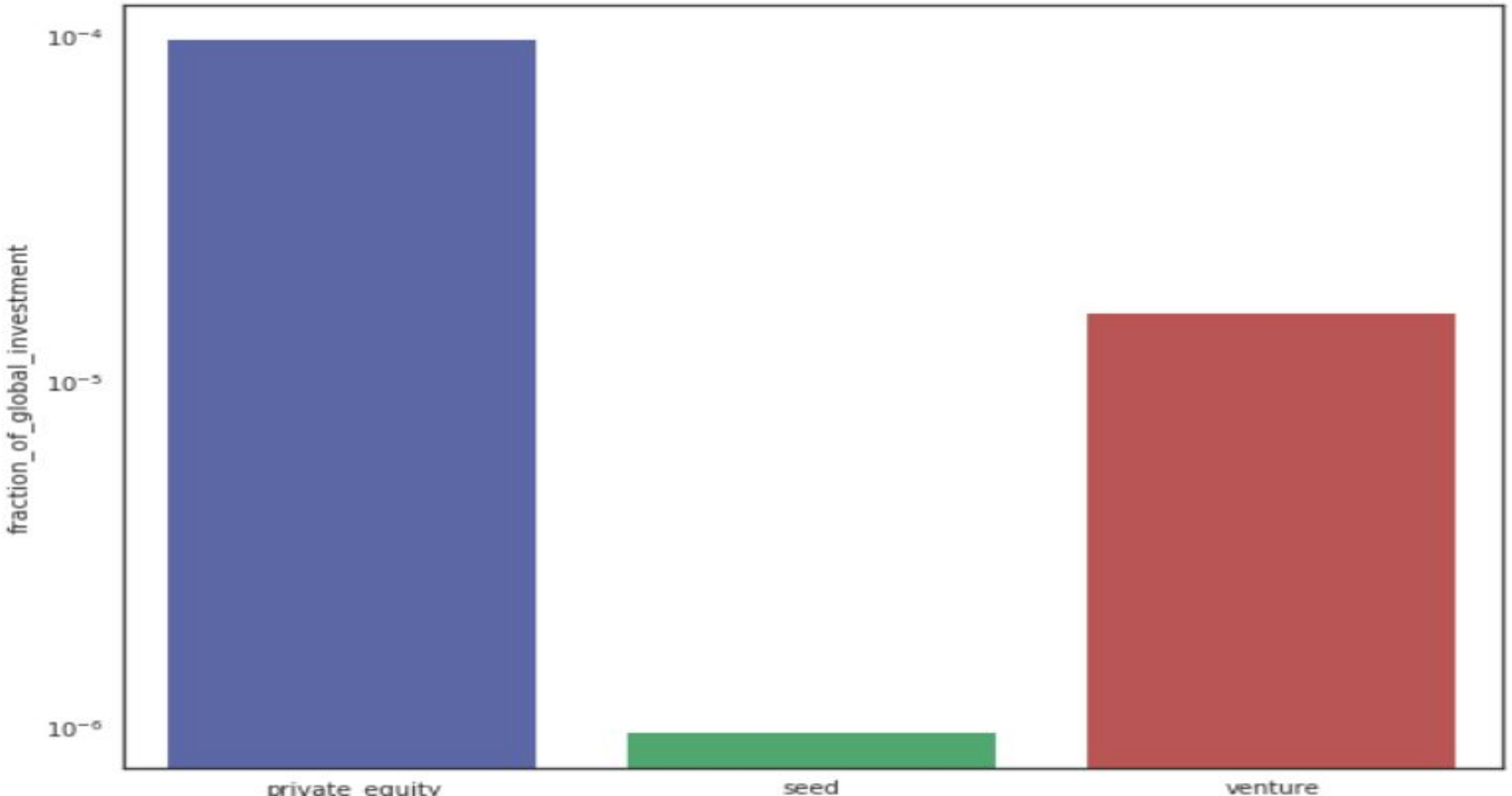
2.Filter english speaking countries data on venture type and group by country code and sum on raised amount usd.

Observation:

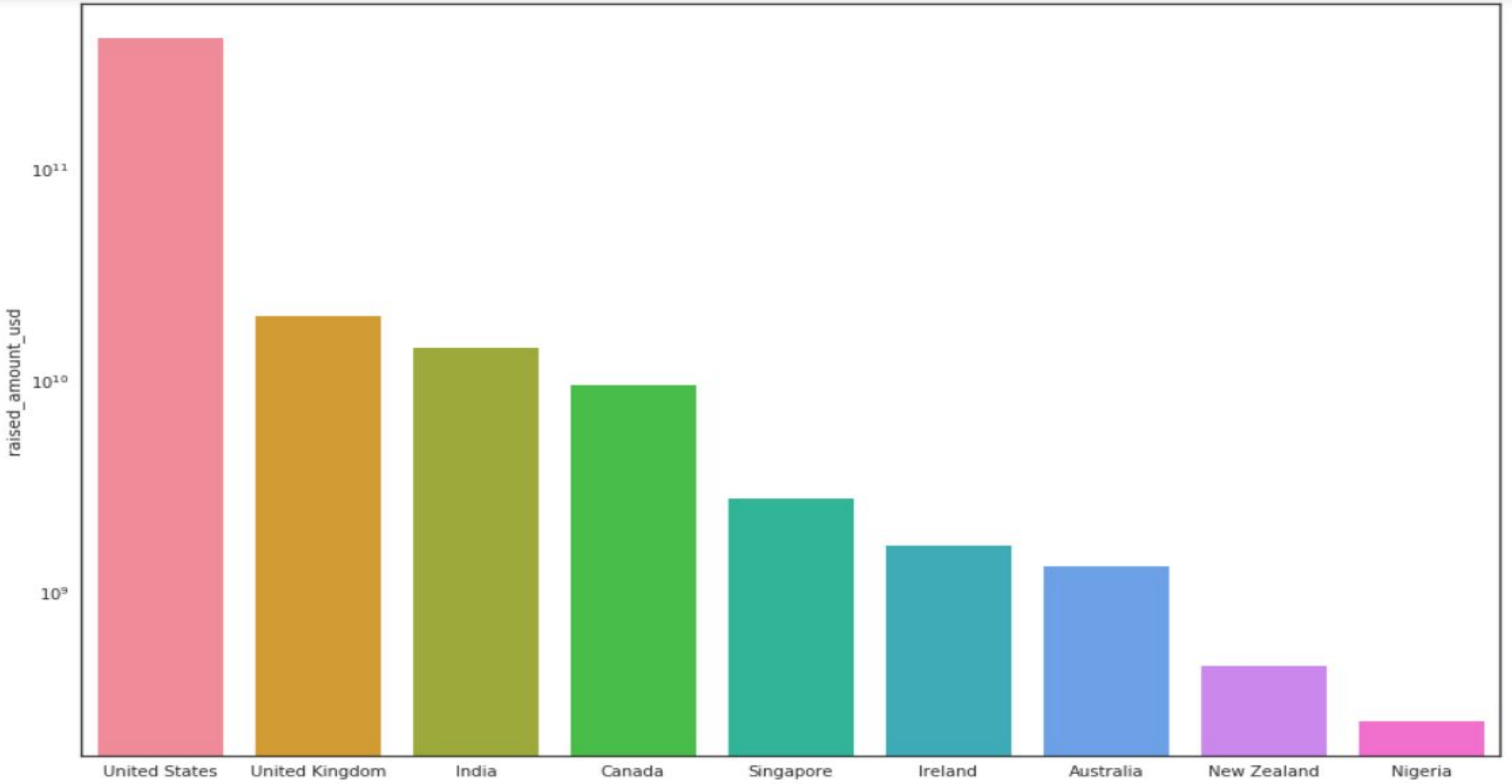
)ut[20]:

	country_code	name	raised_amount_usd
0	USA	United States	422510842796.00
1	GBR	United Kingdom	20245627416.00
2	IND	India	14391858718.00
3	CAN	Canada	9583332317.00
4	SGP	Singapore	2793917856.00
5	IRL	Ireland	1676131350.00
6	AUS	Australia	1322934948.00
7	NZL	New Zealand	448316383.00
8	NGA	Nigeria	245440000.00

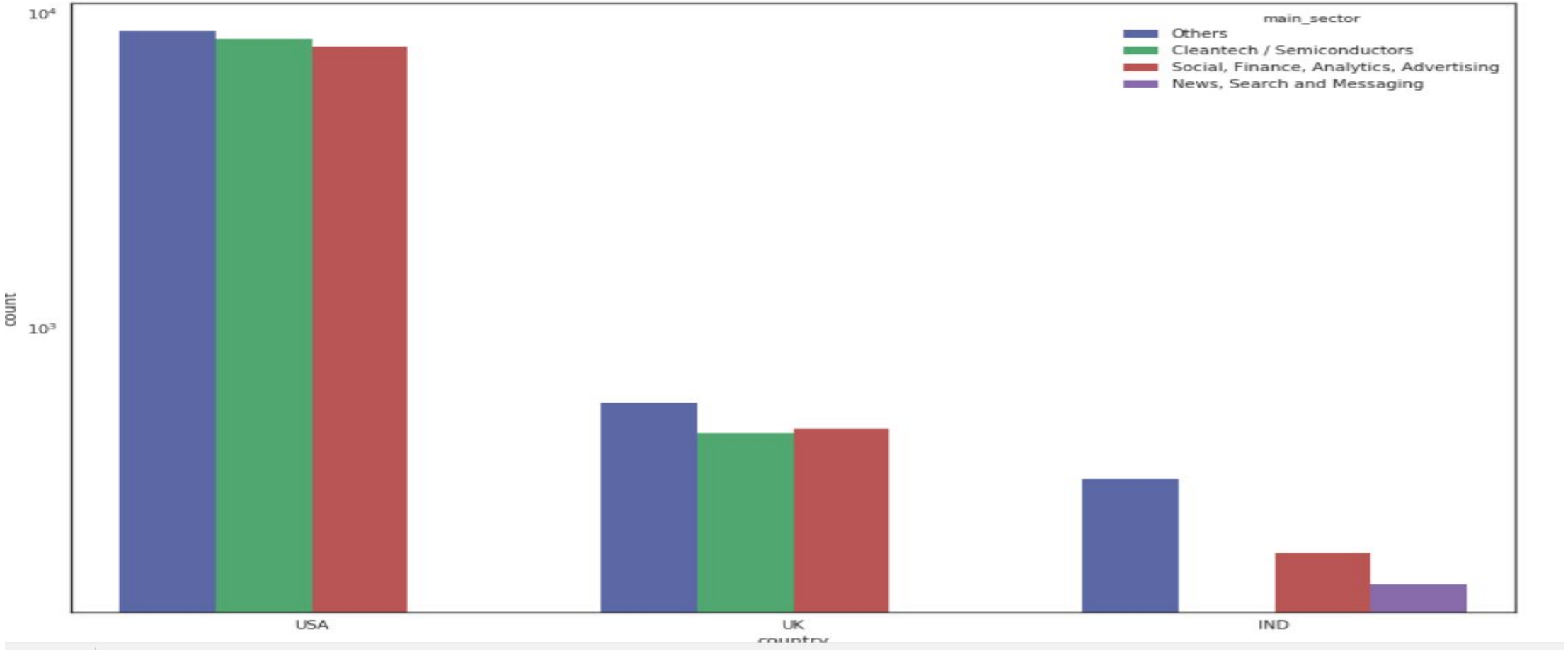
Funding type vs Global Investment.



Countries Vs Investment



Sector wise investment in top 3 countries.



Total No Of Investment Count.

1. Use **funding_round_permalink** to find number of investment because it is given as Unique ID of funding round.

Conclusion

1. **Best Funding Type Is Venture Type**
2. **Top 3 Countries for investment are USA,Uk And India**
3. **Best sectors of investment on basis of count are:**

Top 3 sectors in USA	Others,CleanTech,Social
Top 3 sectors in UK	Others,CleanTech,Social
Top 3 sectors in INDIA	Others, Social,News