

INVESTMENT ASSIGNMENT

SUBMISSION

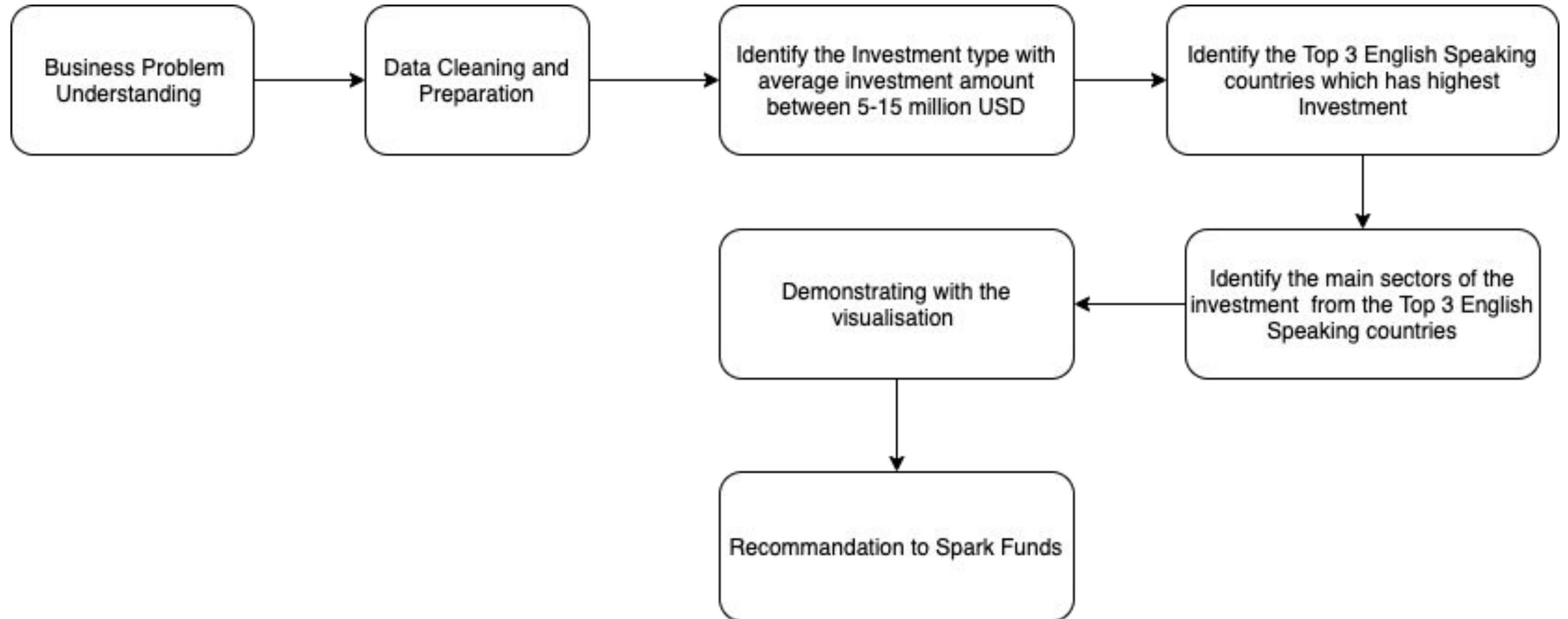
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Finding the Suitable Investment for Spark Funds

Spark Funds has two minor constraints for investments:

1. It wants to invest between **5 to 15 million USD** per round of investment
2. It wants to invest only in **English-speaking countries** because of the ease of communication with the companies it would invest.

Problem solving methodology



Fund Type	Mean
Seed	719818
Angel	958694.5
Venture	11748950
Private Equity	73308590

The Above table help us to find the best or suitable fund type based on the requirement of the Spark Fund. According to this data, the **Venture** fund type is most suitable fund for the Spark fund and the reason for the same is

The **mean** of investments in **Venture** is **11.7 million USD** which **satisfies the requirement** of Sparks Fund that it wants to **invest** between **5 to 15 million USD**.

Identify the top countries for investment

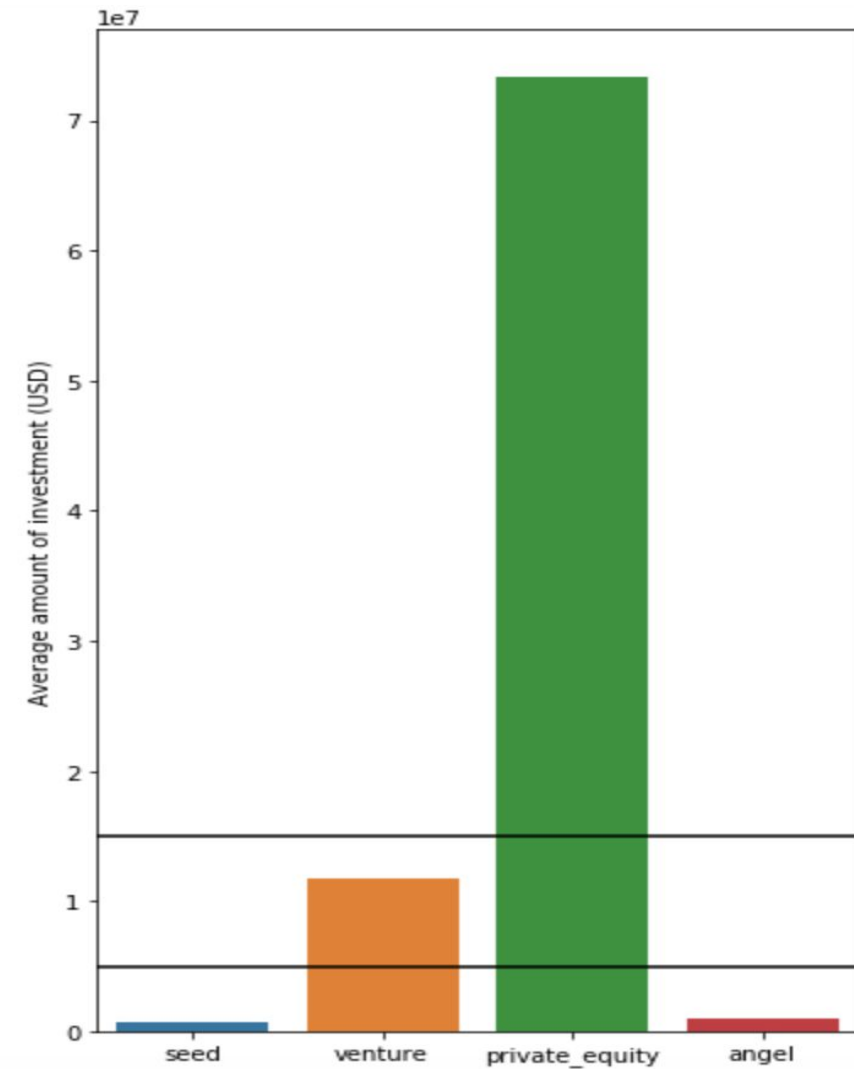
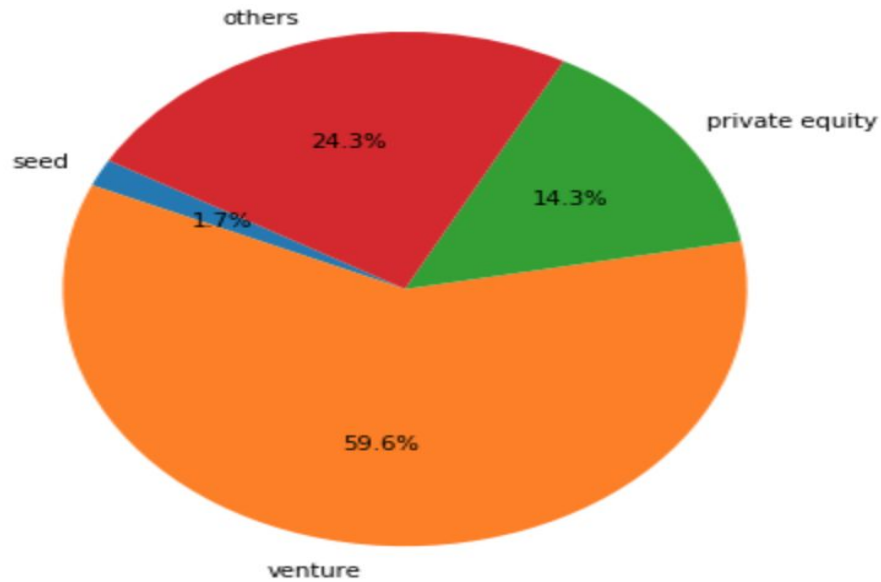
Country Code	Investment Amount(Million)
USA	422510.8
CHN	39835.42
GBR	20245.63
IND	14391.86
CAN	9583.332
FRA	7259.537
ISR	6907.515
DEU	6346.96
JPN	3363.677

1. **Top 9 Countries** which received **largest amount Investment** in **USD** shows in the table.
2. **USA** receives the **highest amount** of the **investment**(approx 422k million USD).
3. **Top 3 English Speaking** country which received **highest amount** of **investment** are **USA, GBR, IND.**

***Only for Venture type Investment**

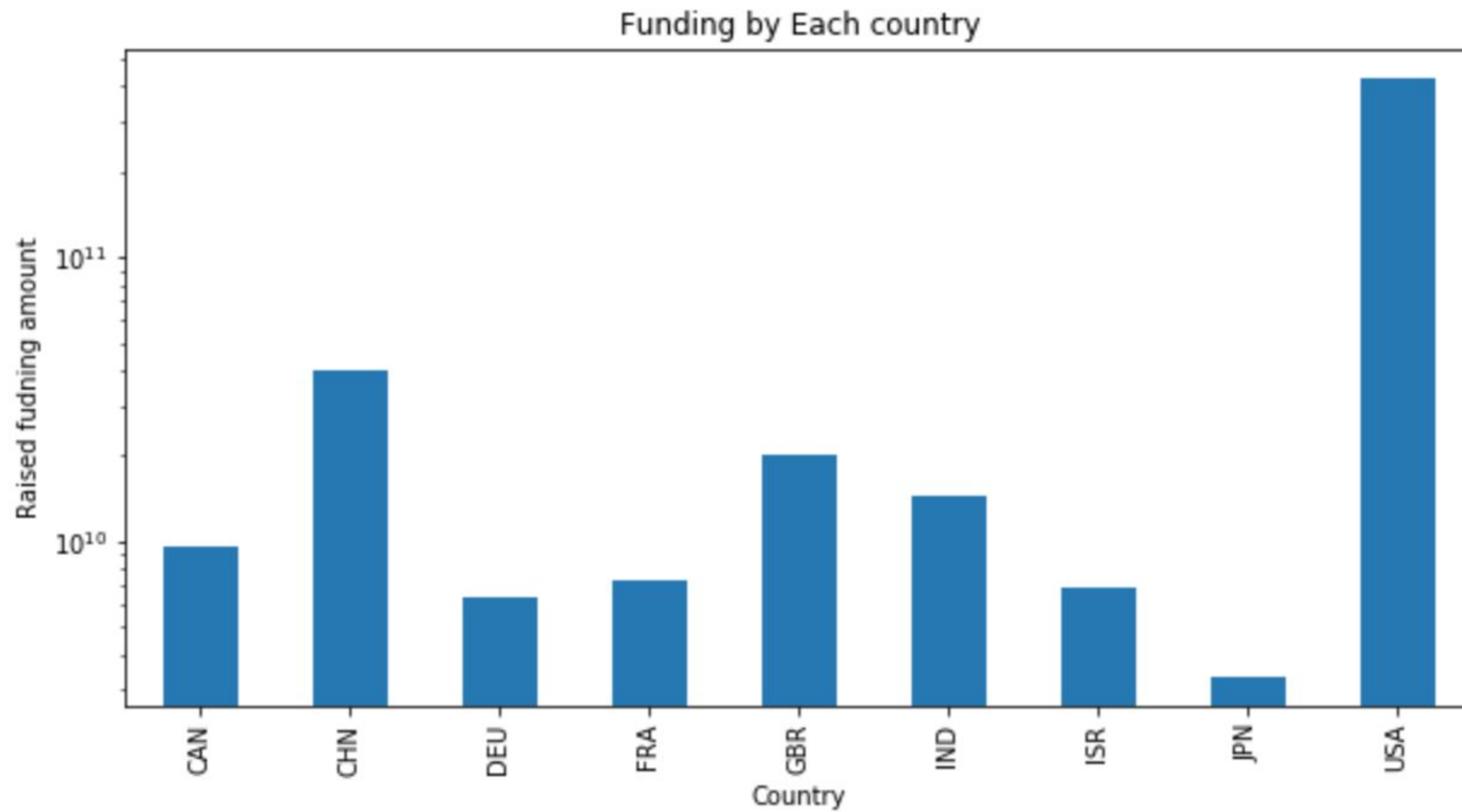
Identify the best sector

		USA	GBR	IND
1	Total number of investments (count)	12150	628	330
2	Total amount of investment (USD)	108531347515	5436843539	2976543602
3	Top sector (based on count of investments)	Others	Others	Others
4	Second-best sector (based on count of investments)	Social, Finance, Analytics, Advertising	Social, Finance, Analytics, Advertising	Social, Finance, Analytics, Advertising
5	Third-best sector (based on count of investments)	Cleantech / Semiconductors'	Cleantech / Semiconductors	News, Search and Messaging
6	Number of investments in the top sector (refer to point 3)	2950	147	110
7	Number of investments in the second-best sector (refer to point 4)	2714	133	60
8	Number of investments in the third-best sector (refer to point 5)	2350	130	52
9	For the top sector count-wise (point 3), which company received the highest investment?	Virtustream	Electric Cloud	FirstCry.com
10	For the second-best sector count-wise (point 4), which company received the highest investment?	SST Inc. (Formerly ShotSpotter)	Celltick Technologies	Manthan Systems



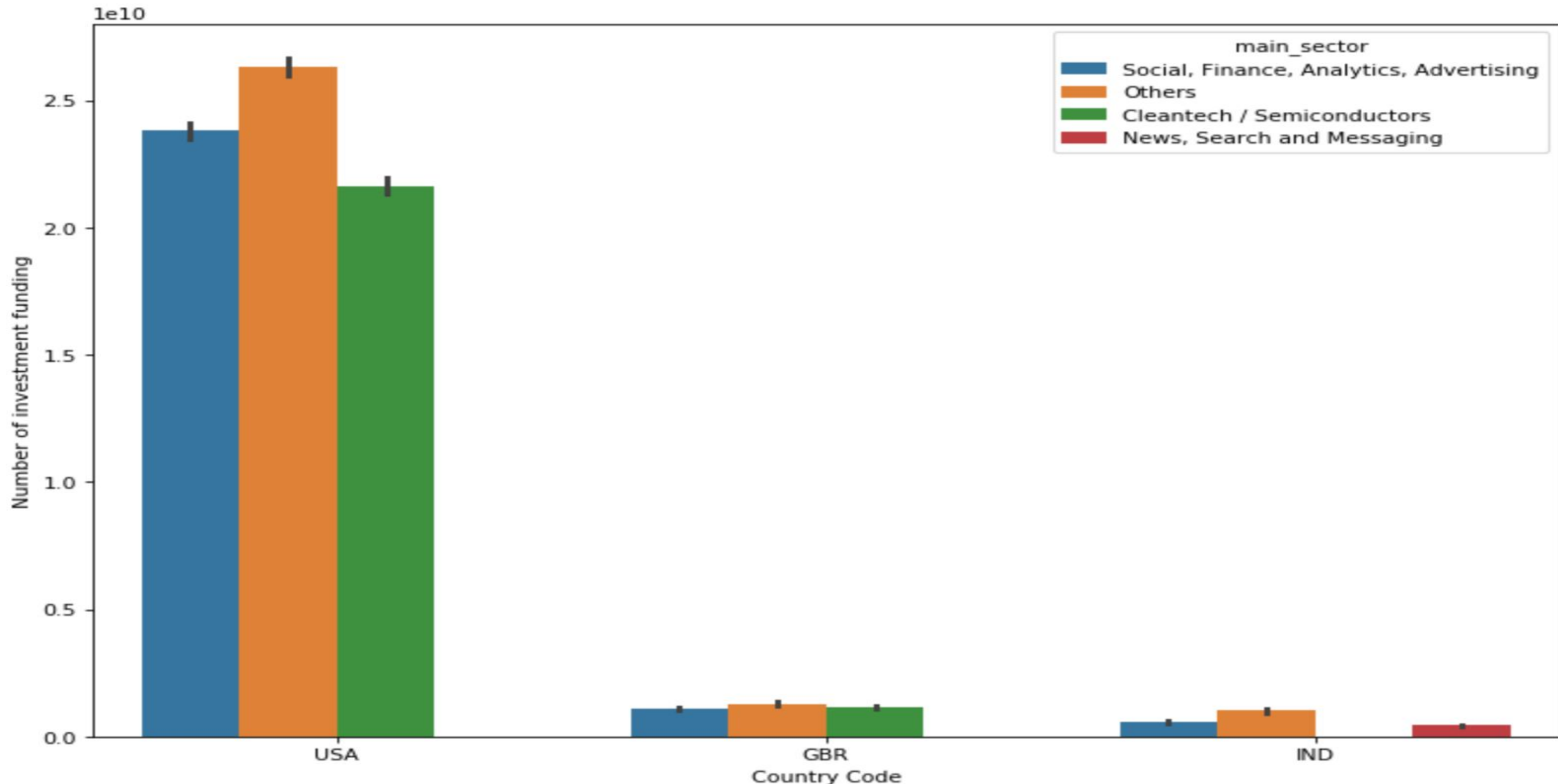
1. **Fraction of the investment(globally), in Venture, Seed, private equity and others.**
2. **Venture has 59.6% shares of total investment.**
3. **The mean of investments in Venture is 11.7 million USD which satisfies the requirement of Sparks Fund that it wants to invest between 5 to 15 million USD.**

Top 9 countries based on total investment



Among the top 9 countries, the top 3 whose official language is English are: **USA, GBR(UK) and India.**

Investment in Top 3 Sectors among the Top 3 Countries



Based On the Our Analysis, our **recommendations** for Spark Funds Are-

1. The Suitable Investment type is **Venture**.
2. Top Countries for Investment are - **USA, United Kingdom and India**.
3. Top Sectors for investment in **USA and United Kingdom** are -
 - Others
 - Social, Finance, Analytics, Advertising
 - Cleantech / Semiconductors
4. Top sectors for investment in **INDIA** are-
 - Others
 - Social, Finance, Analytics, Advertising
 - News, Search and Messaging

Assumption: 1. If the **raised_amount_usd** is **null**, we have **dropped** the **data** from our **analysis**. These columns **provide key insight** about the **top fund type** and the **top sectors for investment**. Thus **without** having **data** of the these **column**, the **entry** is **not much useful**.

2. Some **categories** which are **not mapped** to any of the **8 main sectors**, so **ignored those categories**. For example, '**Self Development**'.