INVESTMENT ASSIGNMENT

SUBMISSION

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Investment Data Analysis for Spark Fund

Spark Funds has two minor constraints for investments:

- It wants to invest between **5 to 15 million** USD per round of investment.
- It wants to invest only in **English-speaking countries.**

Spark Funds wants to invest where most **other investors are investing**.

So we have categorised our analysis into 3 types.

Type of Analysis which we have done:
- Investment type analysis
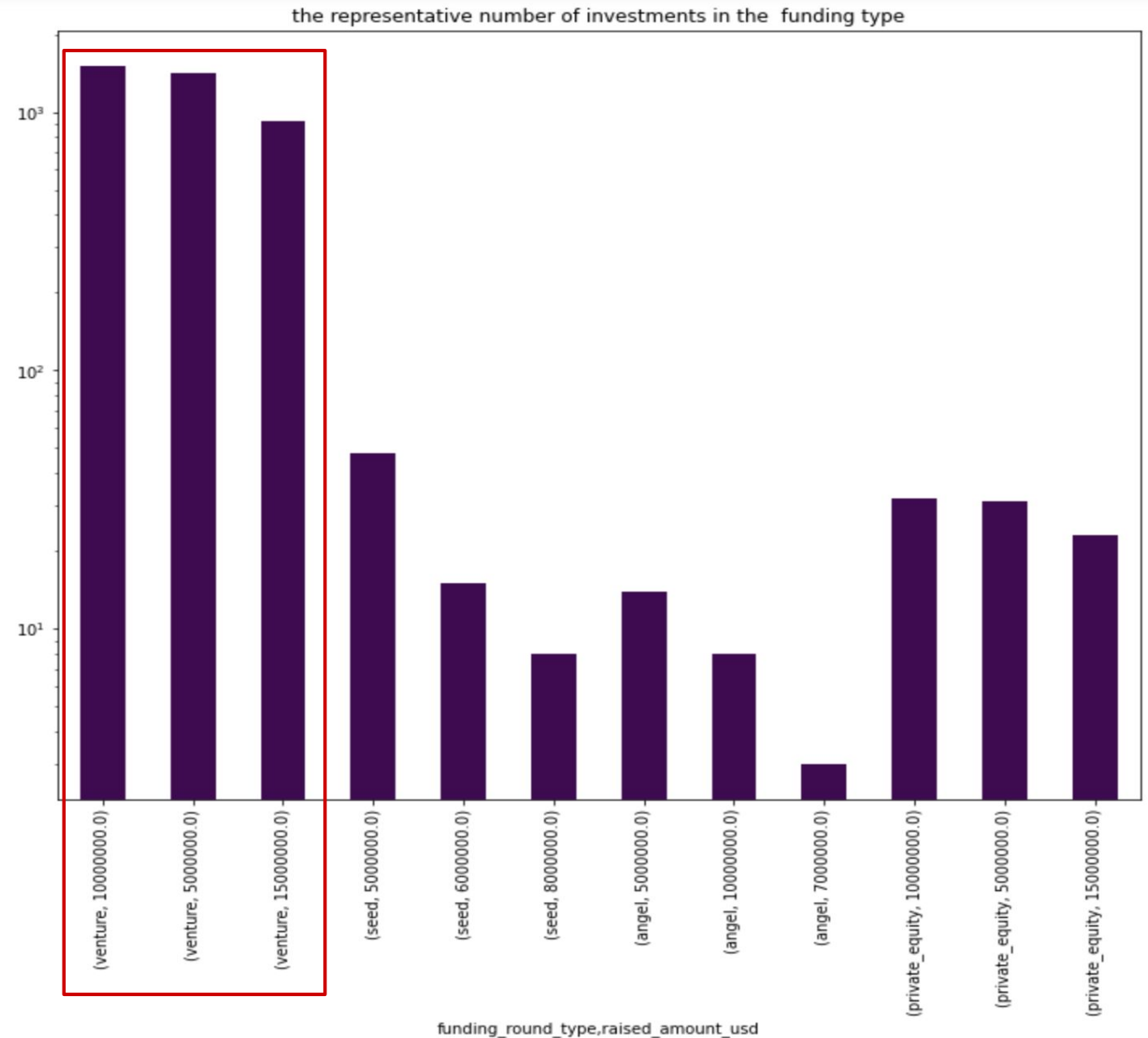- Country analysis
- Sector analysis

Investment type analysis

Here is analysis based on funding type vs funding

funding_round_type	raised_amount_usd	Count
venture	10000000	1571
	5000000	1451
	15000000	952
seed	5000000	49
	6000000	16
	8000000	8
angel	5000000	15
	10000000	9
	7000000	3
private_equity	10000000	32
	5000000	31
	15000000	24

Based on Investment type analysis
VENTURE is the right type.

Observation:

Venture is the most invested type. So Spark fund should invest on this investment type.

the representative number of investments in the funding type

funding_round_type,raised_amount_usd

(venture, 10000000.0) (venture, 5000000.0) (venture, 15000000.0) (seed, 5000000.0) (seed, 6000000.0) (seed, 8000000.0) (angel, 5000000.0) (angel, 10000000.0) (angel, 7000000.0) (private_equity, 10000000.0) (private_equity, 5000000.0) (private_equity, 15000000.0)
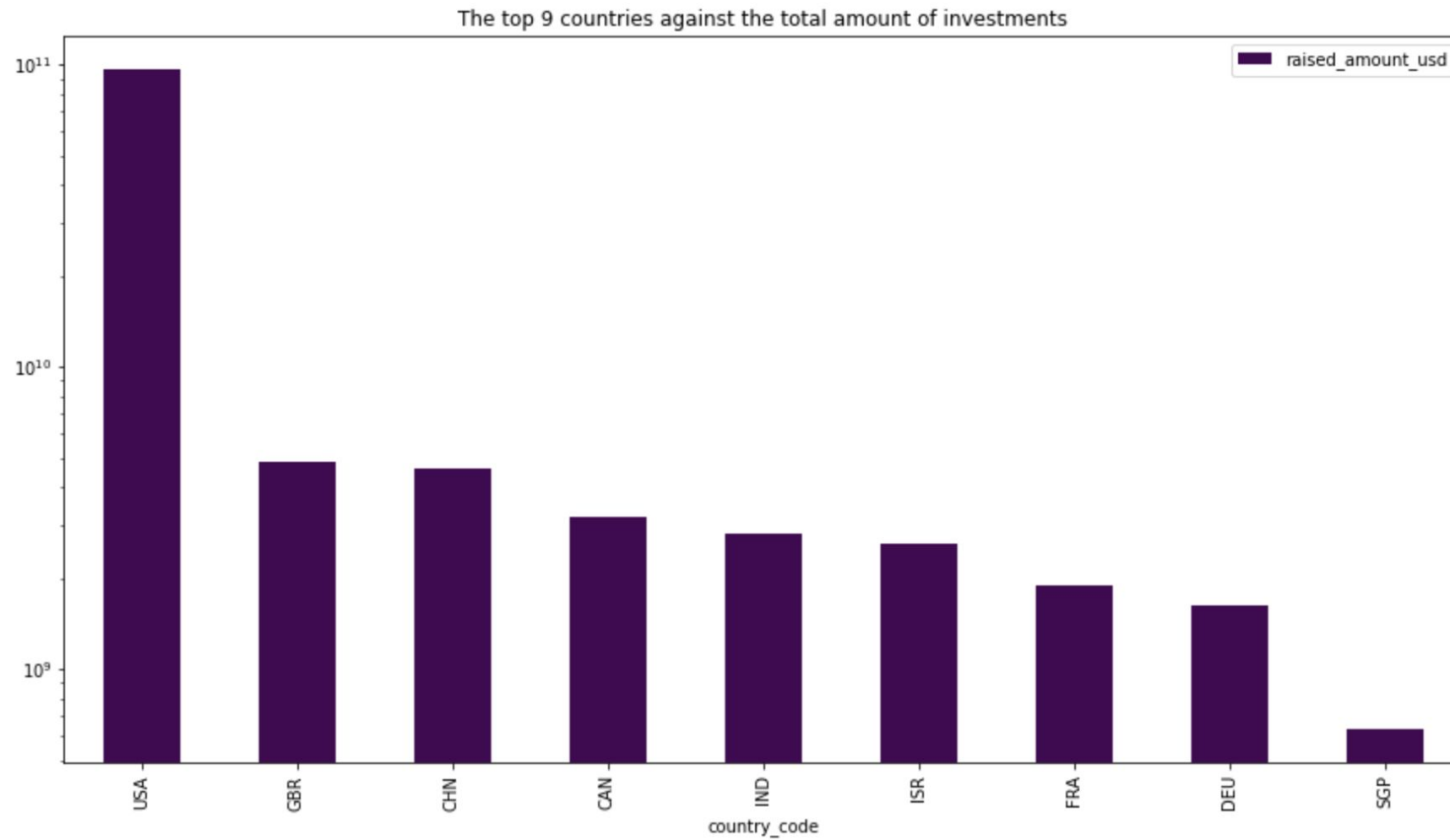
Country analysis

Here is the details of investment amount based on country.

Observation:

USA is top most country where most investment happened.
So, Spark fund should consider this country for their investment.

	country_code	raised_amount_usd
0	USA	96769980523
1	GBR	4836148564
2	CHN	4614444977
3	CAN	3191532954
4	IND	2818673602
5	ISR	2595269792
6	FRA	1902911269
7	DEU	1632179072
8	SGP	631036978

Based on Country type analysis : **USA**

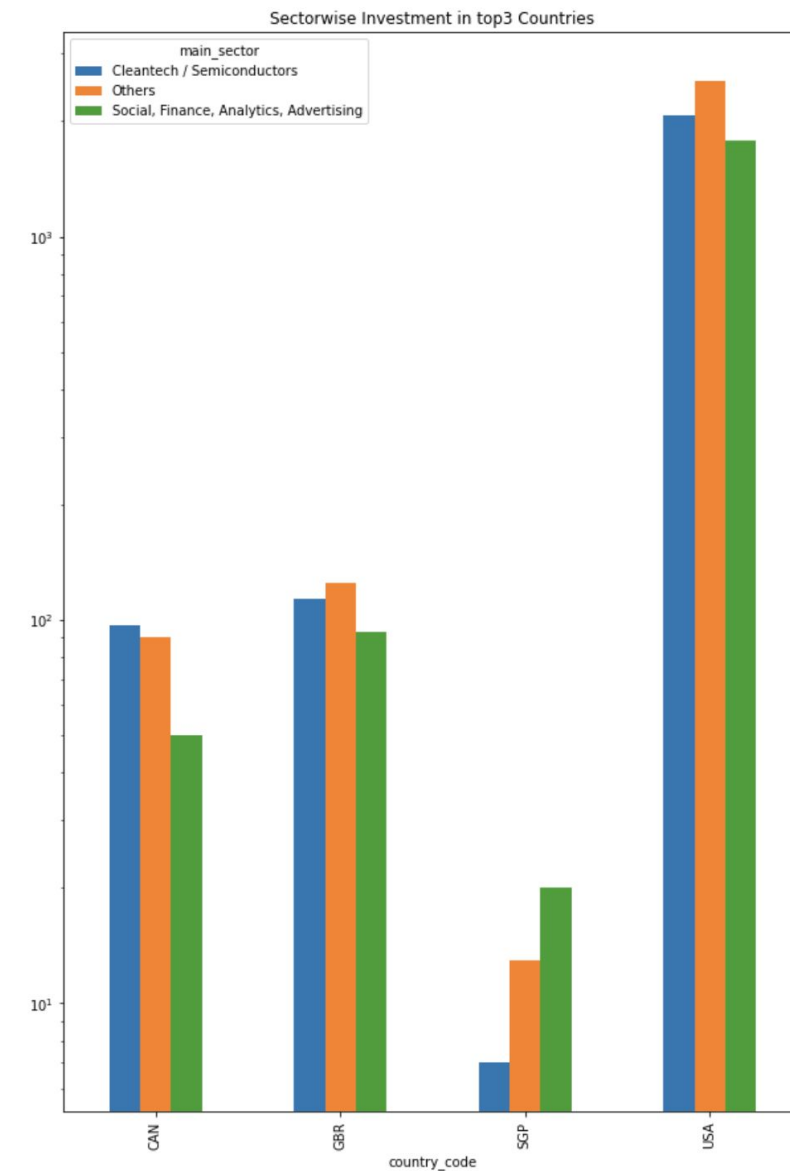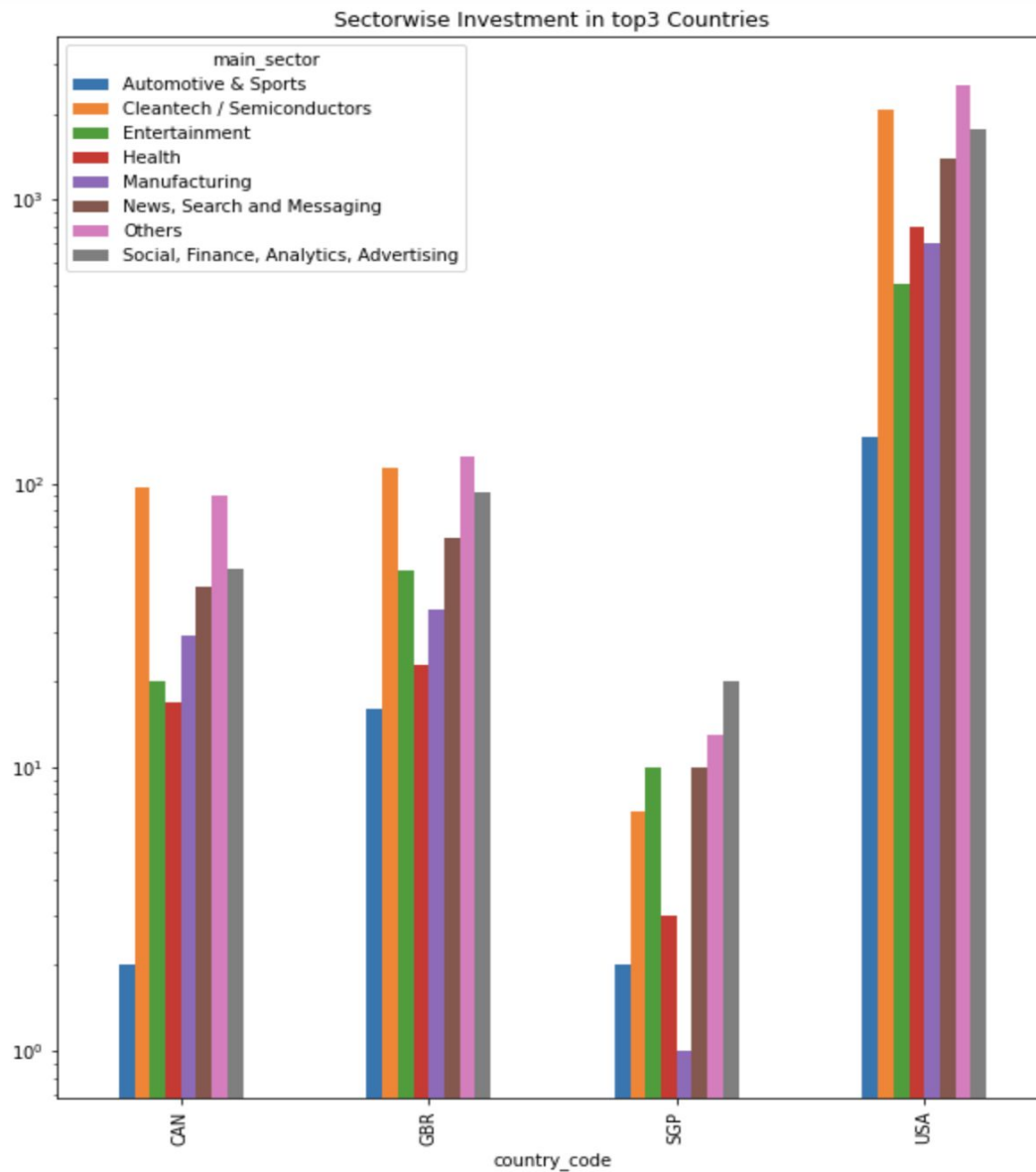The top 9 countries against the total amount of investments

Sector analysis

Here is the details of investment count based on each main sectors in top-3 country.

country_code	Automotive & Sports	Cleantech / Semiconductors	Entertainment	Health	Manufacturing	News, Search and Messaging	Others	Social, Finance, Analytics, Advertising
CAN	2	97	20	17	29	43	90	50
GBR	16	114	49	23	36	64	125	93
SGP	2	7	10	3	1	10	13	20
USA	146	2070	505	805	700	1403	2546	1777

Based on Sector analysis : **Others**

Conclusion:

Spark fund should select '**VENTURE**' investment type and invest on **others,Cleantech / Semiconductors, Social, Finance, Analytics, Advertising** in **USA**.