# INVESTMENT ASSIGNMENT

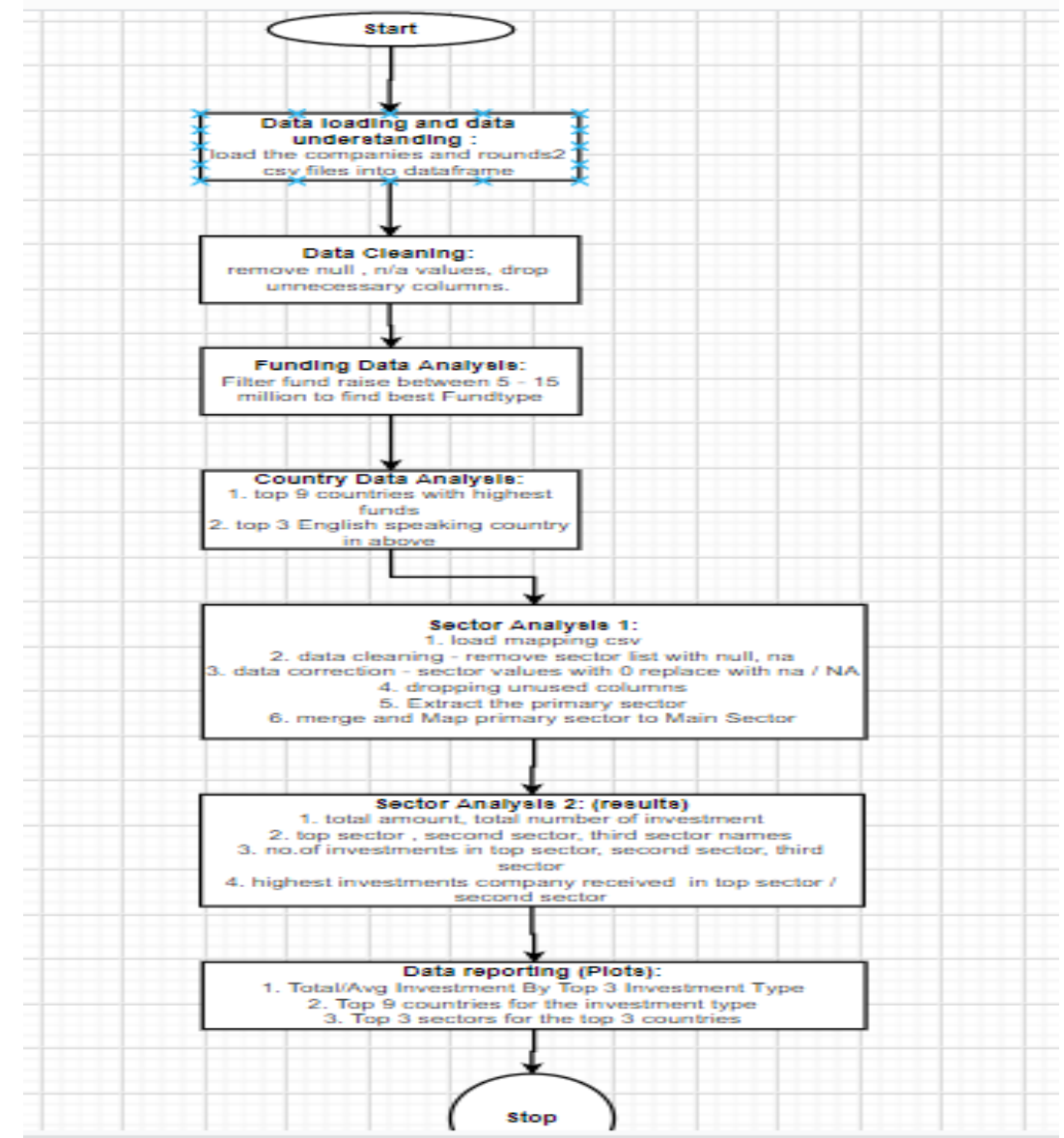# SUBMISSION

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# Abstract

- Spark Funds wants to make investments in a few companies

- Want to invest between 5 to 15 million USD per round of investment

- With best investment Type

- In Best countries who speaks English

- In Best Sector

# Problem solving methodology

## Flow Chart

Used https://app.diagrams.net/

- Load the data from companies and rounds files
- Understand the data
- Perform data cleaning

**1. Funding Type Analysis:**

- The Dataset contains a number of investment types
- Private Equity, Seed, Angel and Venture Types are the best funding types
- Sparks Funds want to invest in fund type where exists in between 5 – 15 millions USD → we received Venture type. It has 60.14% of investments occurrence.
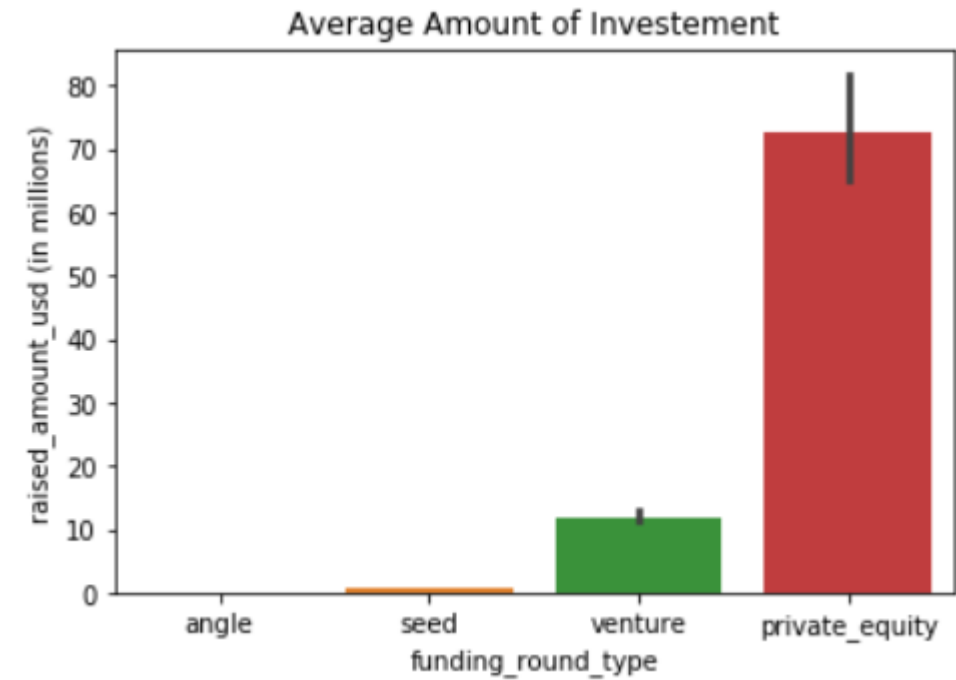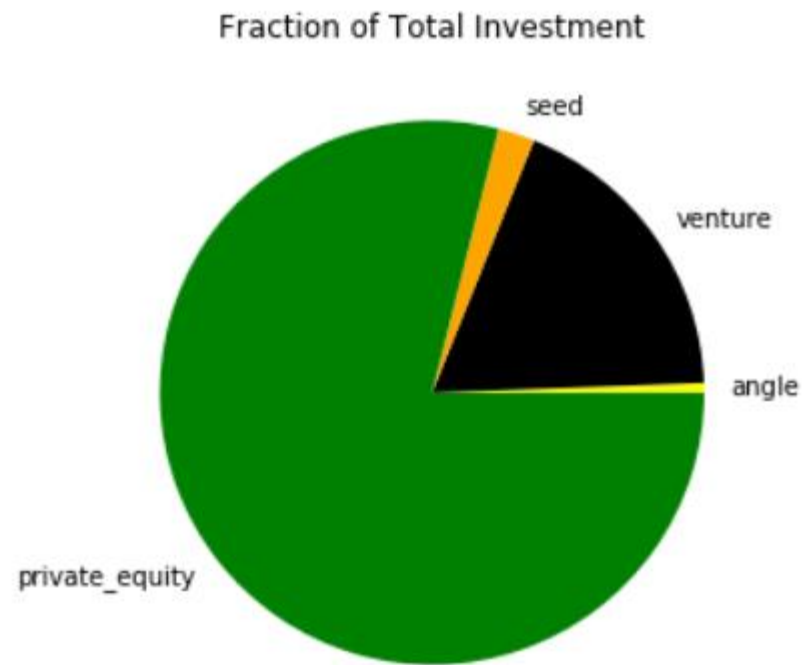
## 2. Country Analysis:

- The Country Analysis is done on Venture Type Funding

- Though the no.of countries available are around 100+, major investments have been done in few countries USA, China, Great Britain, India, Japan, Canada, etc.

- Sparks Funds want to invest mainly in English speaking country. So, we picked top 3 english speaking countries with best fund raise

- The amount of investments in USA is about $398 Billion Dollars. It beats the second highest, China, by a margin of $362 Billion Dollar

## 3. Sector Analysis

- We identified major sectors to make the analysis simple and clean.

- Top 3 sectors for the top 3 countries were identified

- Below are the top 3 sectors for the countries (order)
  - *'Others'*
  - *'Cleantech / Semiconductors'*
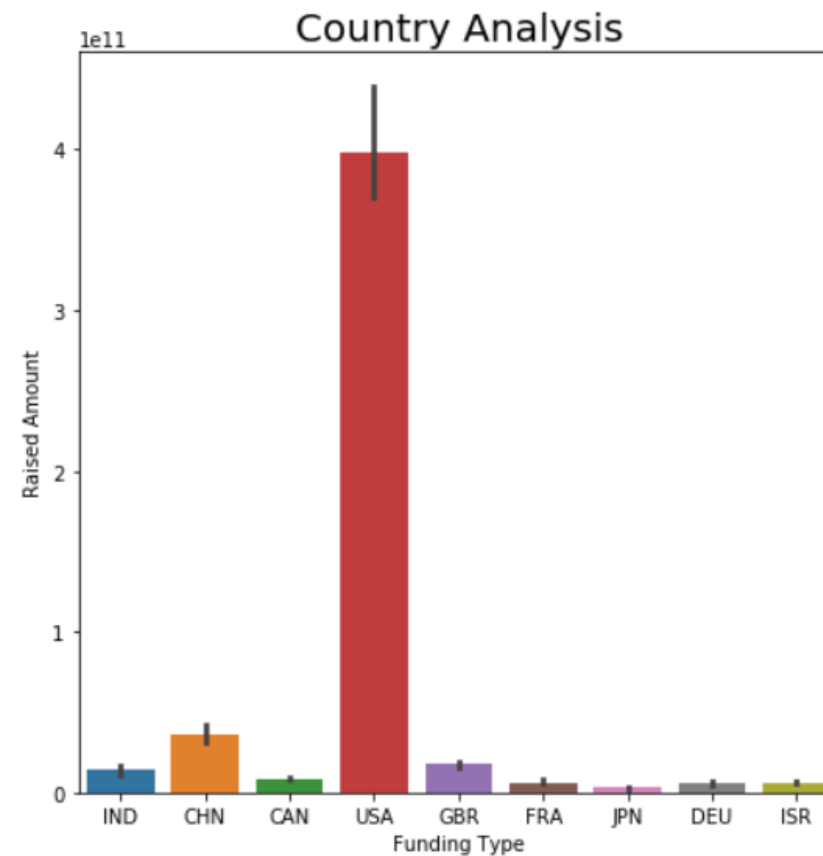  - *and 'Social/Finance/Analytics/Advertising'*

# Results

## Plot 1

**A plot showing the fraction of total investments (globally) in angel, venture, seed, and private equity, and the average amount of investment in each funding type. This chart should make it clear that a certain funding type (FT) is best suited for Spark Funds.**
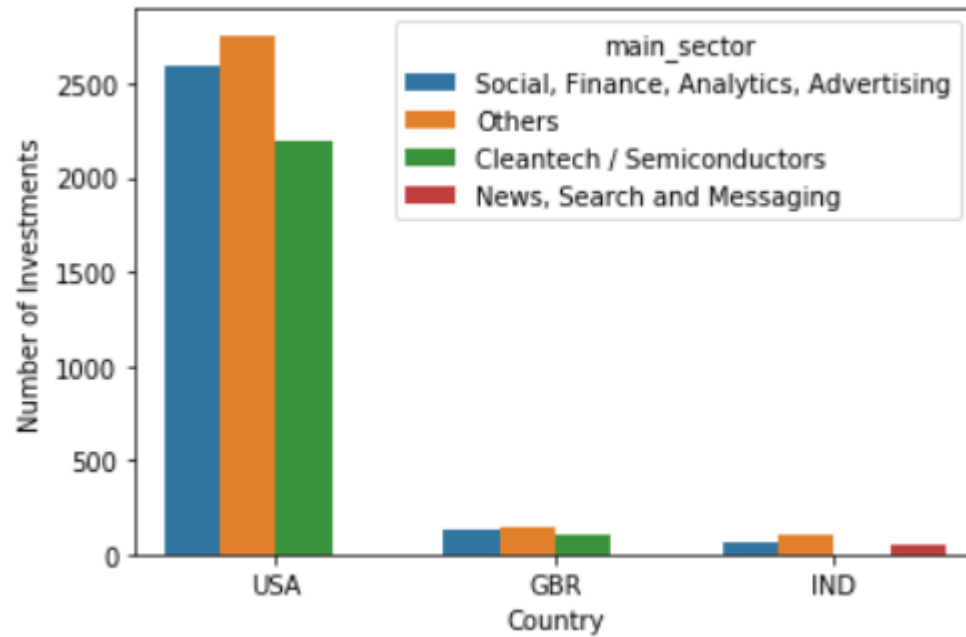
Plot 2

**A plot showing the top 9 countries against the total amount of investments of funding type FT. This should make the top 3 countries (Country 1, Country 2, and Country 3) very clear.**

# Results

## Plot 3

**A plot showing the number of investments in the top 3 sectors of the top 3 countries on one chart (for the chosen investment type FT).**

# Conclusions

After analysis, below are the conclusions that we can draw

- Best investment type within range 5-15 M USD is **Venture Capital**

- Top 3 English Speaking Countries receiving the highest investment amounts in Venture funding type are **USA, Great Britain and India**

- The most funding sectors in the above three countries (English speaking) are **'Others', 'Cleantech/Semiconductors' 'Social/Finance/Analytics/Advertising'**