**Objectives**

ABC Investments wants to make investments in a few companies.

ABC Investments has two constraints for investments:

1. It wants to invest between **8 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 in

**1. The Plan**

ABC Investments wants to invest where most **other investors are investing**. This pattern is often observed among early stage startup investors.

**2. The Assignment Objectives**

The objectives and goals of data analysis.

* 1. Load and Clean Data
     1. Companies may show non-unique data. Analyze and resolve
     2. Companies may be present in rounds file but not in company file
     3. Treat missing values, redundant values
  2. Analyze with charts/ plots/ tables
     1. Funding Type Analysis given constraints 1 above
     2. Country Analysis given constraints 2 above for the Funding Type chosen
     3. Sector Analysis for the Funding Type and Country chosen above

**4. How do you approach the assignment? What are the deliverables?**

Fill in the answers given in the excel Inv\_Data.xlsx

Fill in the presentation template Inv\_Analysis.pptx

**1. Company details**

A table with basic data of companies. File 🡪 **comp.csv**

| Description of comp Table | |
| --- | --- |
| Attribute | Description |
| Permalink | Unique ID of company |
| name | Company name |
| homepage\_url | Website URL |
| category\_list | Category/categories to which a company belongs |
| status | Operational status |
| country\_code | Country Code |
| state\_code | State |

**2. Funding round details:**

The most important parameters are explained below: File 🡪 **inv\_rnd2.csv**

| Description of inv\_rnd2 Table | |
| --- | --- |
| Attributes | Description |
| company\_permalink | Unique ID of company |
| funding\_round\_permalink | Unique ID of funding round |
| funding\_round\_type | Type of funding – venture, angel, private equity etc. |
| funding\_round\_code | Round of venture funding (round A, B etc.) |
| funded\_at | Date of funding |
| raised\_amount\_usd | Money raised in funding (USD) |

**3.** **Sector Classification**:

File 🡪 **maps.csv**: This file maps the numerous **category names**in the companies table (such 3D printing, aerospace, agriculture, etc.) to eight broad **sector names.**The purpose is to simplify the analysis into eight sector buckets, rather than trying to analyse hundreds of them.

4.  **Excel File Results:** Download the Excel spreadsheet. It contains all the tables you need to fill in. File 🡪 **Inv\_Data.xlsx**

5. **Presentation Results:** Download the sample PPT. File 🡪 **Inv\_Analysis.pptx**