Task 1 : Data Exploration and Summary

Objective: Understand and summarize key statistics in the dataset

Steps:

1. **Data Import:** Import the dataset into Power BI.

2**. Exploratory Analysis:** Explore the dataset structure and data types.

3. Calculate Statistics: Compute average age, percentage of individuals with various investments, and common savings objectives.

4.Visualization: Create charts for effective visualization of the summary statistics

SOURCE CODE:

Investment Distribution

Total Debentures = SUM('Data_set 2'[Debentures])

Total Equity Market = SUM('Data_set 2'[Equity_Market])

Total Fixed Deposits = SUM('Data_set 2'[Fixed_Deposits])

Total Gold = SUM('Data_set 2'[Gold])

Total Government Bonds = SUM('Data_set 2'[Government_Bonds])

Total Investment in PPF = SUM('Data_set 2'[PPF])

Total Mutual Funds = SUM('Data_set 2'[Mutual_Funds])

Investment Percentage Calculation

Investment Percentage = DIVIDE(COUNTROWS(FILTER('Data_set 2', 'Data_set 2'[Investment_Avenues] = "Yes")),

COUNTROWS('Data_set 2'),0) * 100

Common Savings Objectives

Common Savings Objective = VAR SummaryTable = SUMMARIZE('Data_set 2',

 'Data_set 2'[What are your savings objectives?],"GoalCount", COUNT('Data_set 2'[What are your savings objectives?]))

VAR MaxCount =

  MAXX(SummaryTable, [GoalCount])

RETURN

  MaxCount

OUTPUT SCREEN :

TASK 1 : DATA EXPLORATION AND SUMMARY

Average Age
0.00   27.80   55.60

Investment Percentage
0.00   92.50   185.00

Savings Objective
0   24   48

Count of Investment Avenues by age

Stock_Marktet
Count of Stock_Marktet by Stock_Marktet

5.0 (12.5%)
35.0 (87.5%)

Stock_Marktet
● Yes
● No

Count of gender by What are your savings objectives?

Retirement Plan   24
Health Care   13
Education   3

Equity Market, Fixed Deposits, Gold, Government Bonds, Investment in PPF, Mutual Funds and Debentures

230 (20.54%)
102 (9.11%)
139 (12.41%)
81 (7.23%)
143 (12.77%)
186 (16.61%)
239 (21.34%)

● Equity Market
● Fixed Deposits
● Gold
● Government Bonds
● Investment in PPF
● Mutual Funds
● Debentures