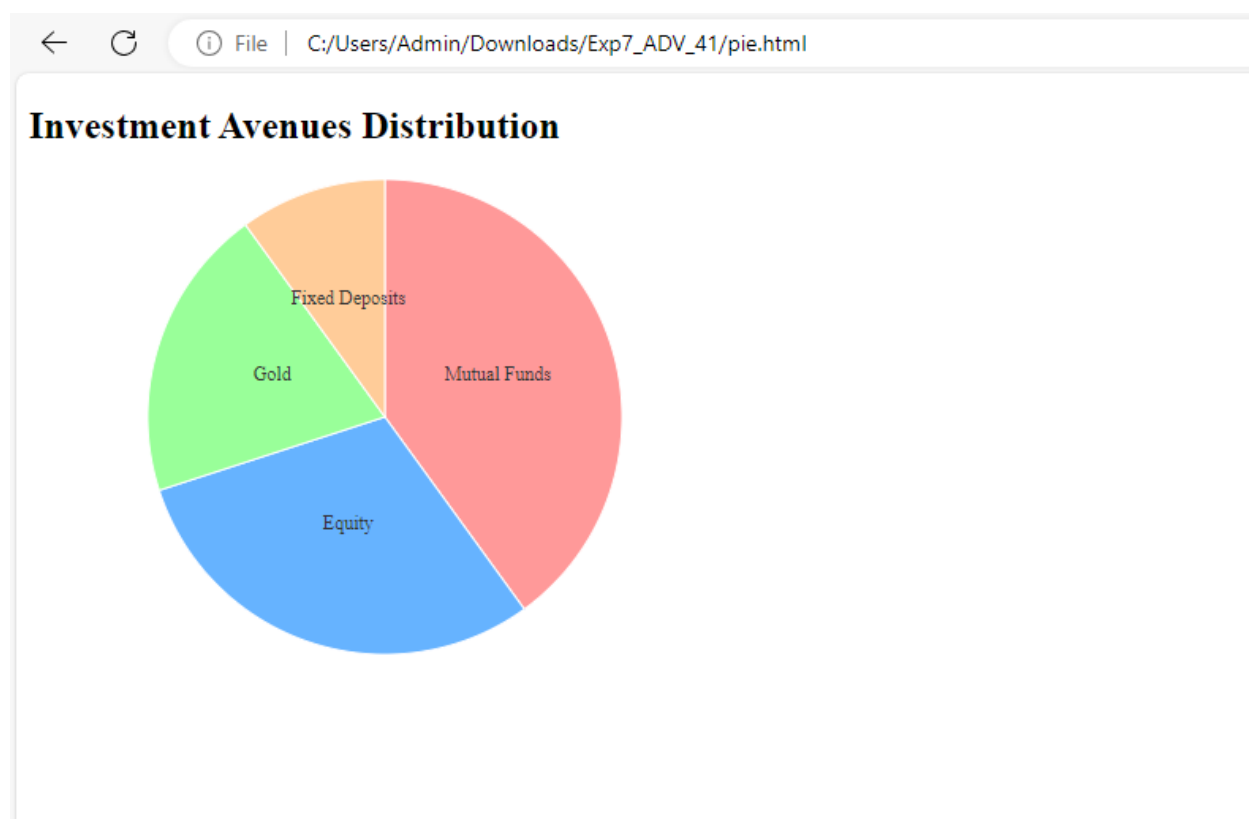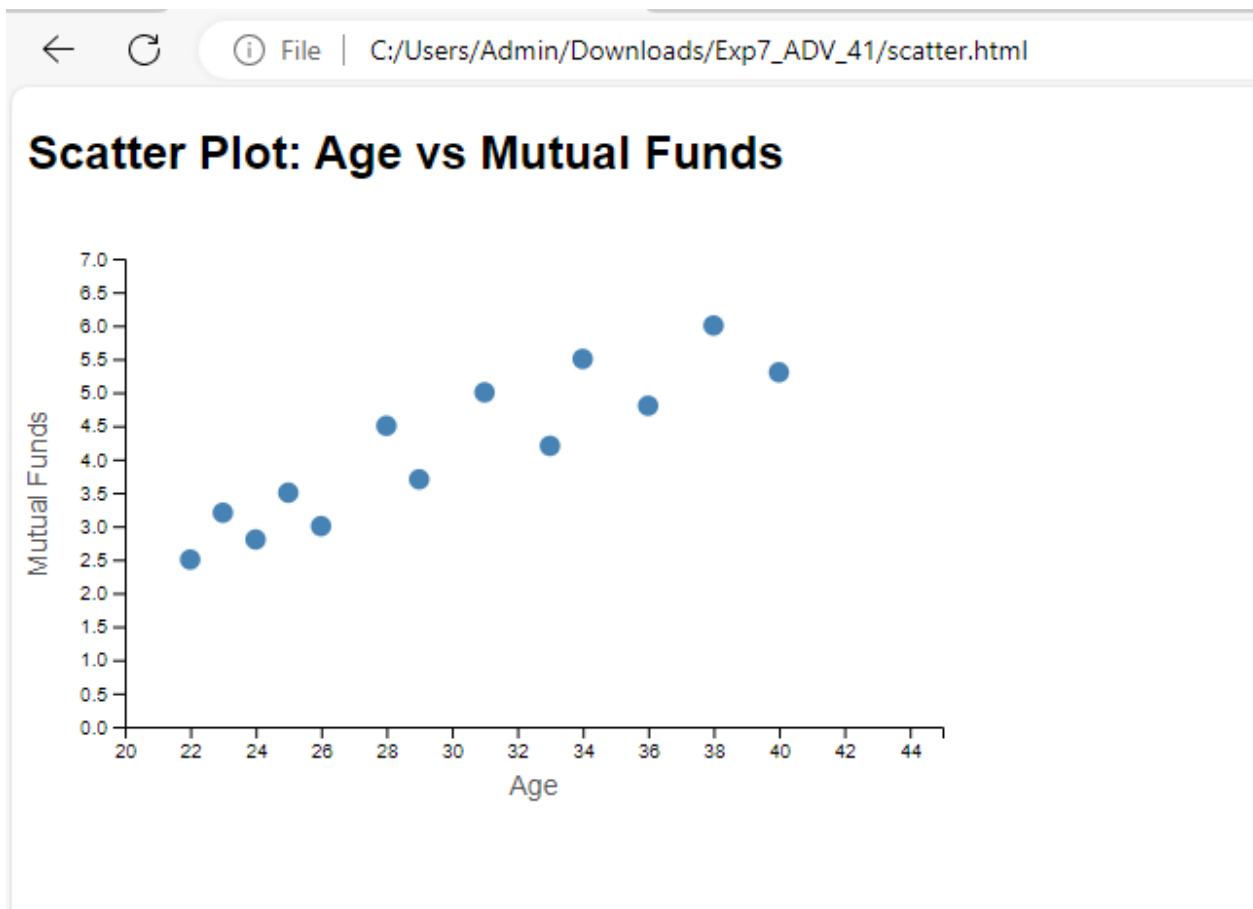| Name	Chinmay Jadhav
UID	2021300046
Class	BE Comps A
Batch	F
Topic	Experiment Design for Creating Visualizations using D3.js on a Finance Dataset

Dataset Link - https://www.kaggle.com/datasets/nitindatta/finance-data
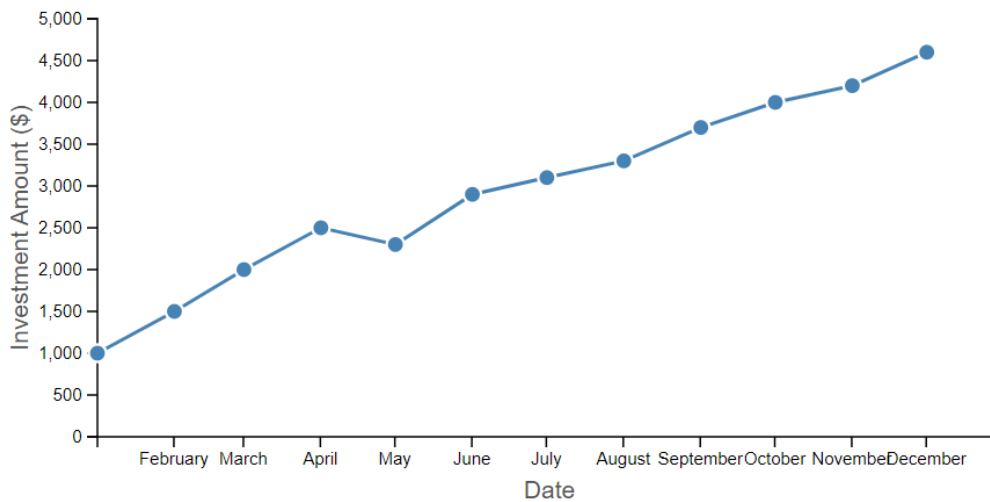

The pie chart illustrates the distribution of investment avenues over the past three years. Mutual funds hold the largest share, followed by Fixed Deposits, Equity, and Gold, respectively. This suggests that mutual funds have been the most popular investment choice during this period.
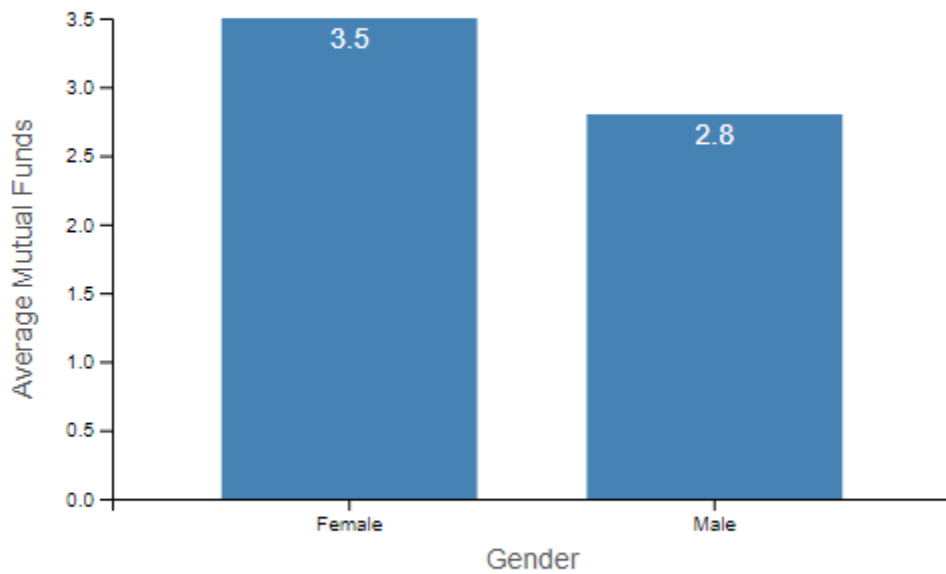
Scatter Plot: Age vs Mutual Funds

The scatter plot depicts a positive linear relationship between age and mutual funds. As age increases, there is a general upward trend in mutual fund investment. This suggests that older individuals tend to invest more in mutual funds compared to younger ones.
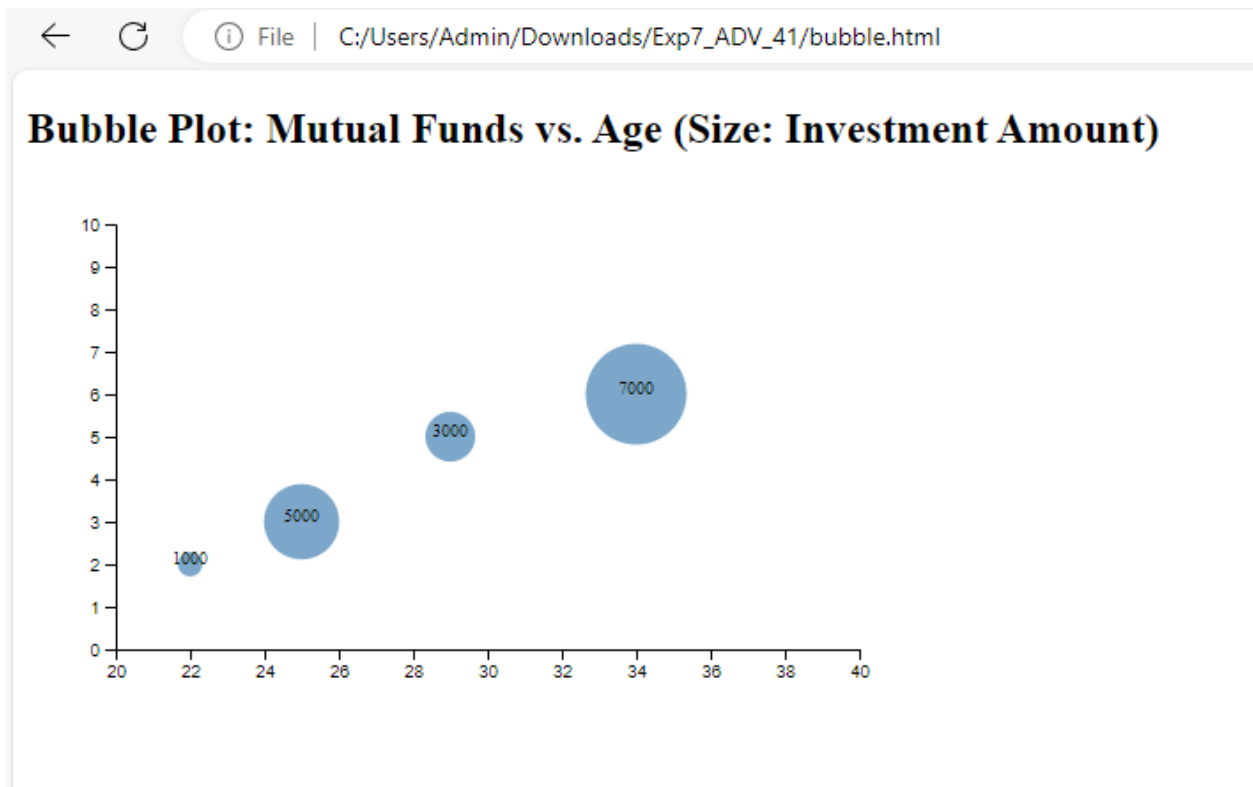
Timeline Chart: Investment Over Time

The line chart shows a clear upward trend in investment amount over time. There is a consistent increase from February to December, with some minor fluctuations. This indicates a growing investment activity throughout the year.
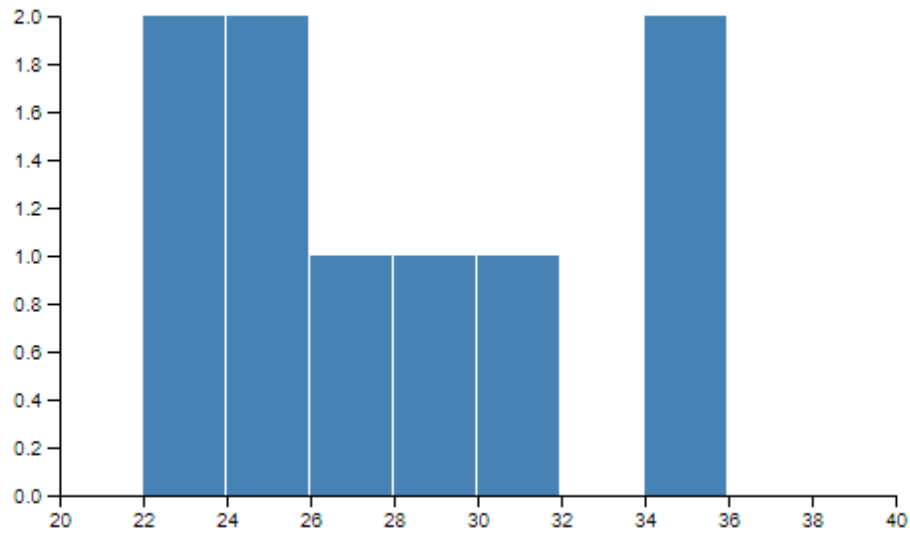
Average Mutual Funds Investment by Gender

The bar chart compares the average mutual fund investment between females and males. It shows that females have a higher average investment of approximately 3.5 units compared to males, who have an average investment of around 2.8 units. This suggests that females tend to invest more in mutual funds on average than males.

Bubble Plot: Mutual Funds vs. Age (Size: Investment Amount)

The bubble chart shows the relationship between age, mutual funds, and investment amount. The size of each bubble represents the investment amount. As age increases, there is a general trend of higher mutual fund investment and larger investment amounts. The largest bubble indicates the highest investment amount, suggesting that older individuals tend to invest more in mutual funds and larger sums of money.

Age Distribution

The histogram shows the distribution of ages.   There are two distinct peaks,   one around the age of 22-24 and another around 36-38. This suggests that there are two dominant age groups in the dataset.