Financial Data Analysis

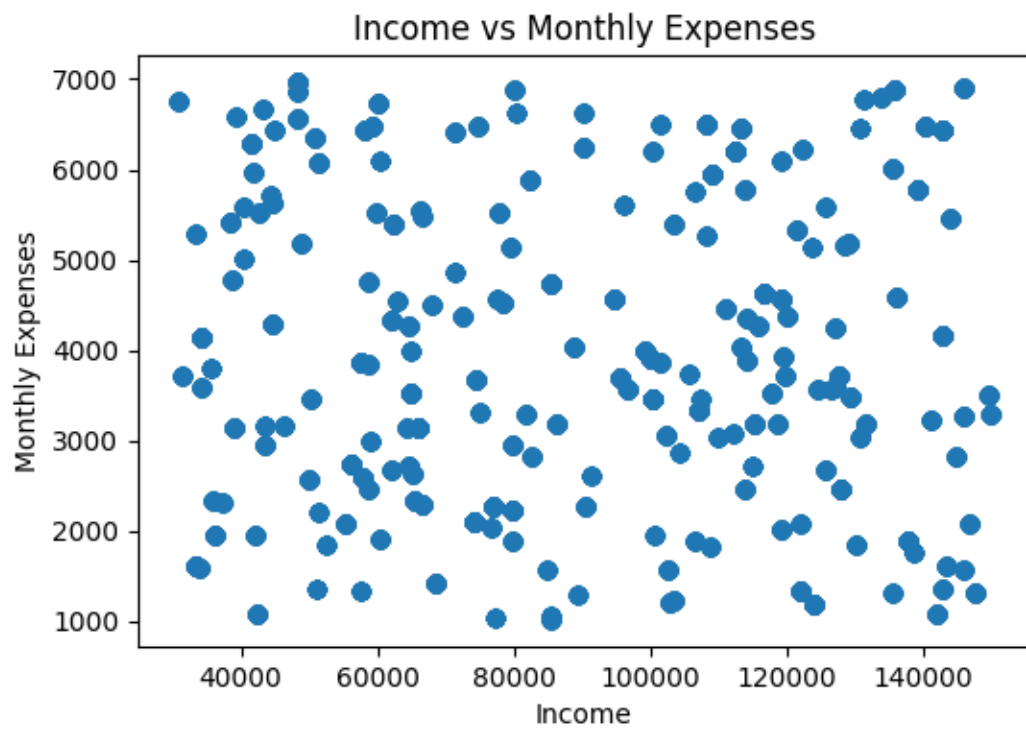## 1. Missing Values Check

This analysis checks for missing values and fills them with appropriate measures.

Missing values before filling:
Family ID   0
Member ID   0
Transaction Date   0
Category   0
Amount   0
Income   0
Savings   0
Monthly Expenses   0
Loan Payments   0
Credit Card Spending   0
Dependents   0
Financial Goals Met (%)   0

2. Income vs Monthly Expenses

This scatter plot visualizes the relationship between income and monthly expenses.

Income vs Monthly Expenses

Correlation between Income and Monthly Expenses: -0.04
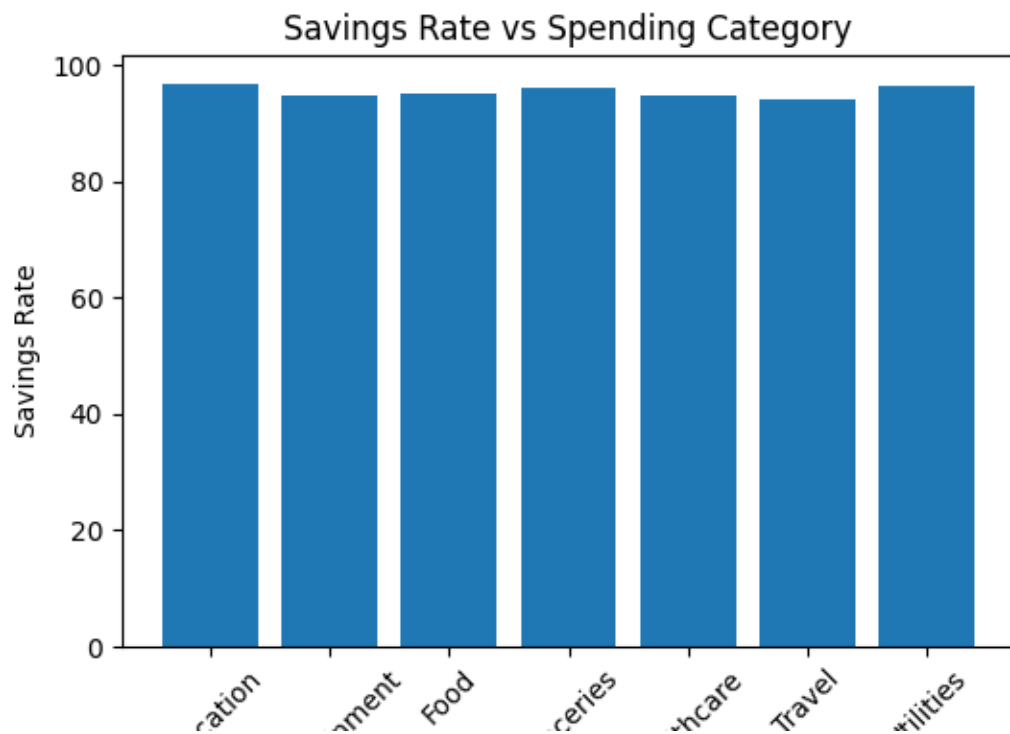
3. Savings vs Monthly Expenses

This scatter plot visualizes the relationship between savings and monthly expenses.

Correlation between Savings and Monthly Expenses: -0.08

4. Savings Rate vs Spending Category

A bar chart visualizing savings rates across spending categories.

Savings Rate vs Spending Category

5. Spending Distribution Across Categories

This pie chart shows the proportion of spending across various categories.

Spending Distribution Across Categories