# Microproject 9: Python Matplotlib Exploration

**Objective:** Develop proficiency in Matplotlib by creating multiple chart types from a small dataset.

**Dataset:** python\_sample.csv – The dataset contains a simple sequence of numbers and categories for demonstration purposes.

**Steps:** 1. Read the dataset using Python (pandas). 2. Create a line plot for the numeric sequence. 3. Generate a bar chart to visualize category frequencies. 4. Create a histogram of the numeric data. 5. Customize each plot with titles, axis labels, and save them as separate image files.

**Expected Output:** A Python script that reads the data and outputs at least three different plots saved as image files.

**Metadata:** Tools: Python (Matplotlib); Duration: 2 weeks; Skills: Coding and Visualization (CO5).