# P07 Student Instructions – Chart Customisation

**Objectives:** - Change chart types and customise existing charts - Add data labels, gridlines, and legends appropriately - Select the best chart type for the data

**Prerequisites:** Completion of Simple Charts practical **Estimated Time:** 2 hours **Learning Outcomes:** - Modify chart types (e.g., bar to line) - Enhance charts with data labels and gridlines - Interpret the impact of customisations on readability

**Dataset Description:** | Column | Type | Description | |——-|——|————-| | Category | object | Synthetic column | | Value1 | float64 | Synthetic column | | Value2 | float64 | Synthetic column |

**Tasks and Steps:** 1. Use the dataset from the previous practical 2. Create a bar chart for average Value1 by category and then convert it into a line chart 3. Add data labels and gridlines to improve readability 4. Comment on how the chart type change influences interpretation 5. Explore at least one other chart type (e.g., area chart)

**Formulas / Methods:** - Average by category remains the same as previous practical

**Submission Checklist:** - Original bar chart and customised line chart images - Evidence of added labels and gridlines - Brief commentary on chart type comparison

**मराठी सारांश (Marathi Summary):** या प्रात्यक्षिकात आपण तयार केलेल्या चार्टचे प्रकार बदलू आणि डाटाचे लेबल्स, ग्रिडलाईन्स यांसारखी रूपरेषा जोडून त्यांची वाचनीयता वाढवू.