# P08 Student Instructions – Pie Chart

**Objectives:** - Create a pie chart from categorical data - Add data labels and explode slices - Interpret the proportions represented in the chart

**Prerequisites:** Knowledge of bar charts and simple graphs **Estimated Time:** 1.5 hours **Learning Outcomes:** - Generate a pie chart to display part‑to‑whole relationships - Customise pie chart slices (explode, labels) - Evaluate when a pie chart is or isn’t appropriate

**Dataset Description:** | Column | Type | Description | |——-|——|————-| | Segment | object | Synthetic column | | Count | int64 | Synthetic column |

**Tasks and Steps:** 1. Load the segment count dataset 2. Create a pie chart showing segment distribution 3. Explode the largest slice for emphasis 4. Add percentage labels to each slice 5. Discuss situations where a pie chart is useful versus other chart types

**Formulas / Methods:** - Percentage: (rac{Count}{Counts} imes 100)

**Submission Checklist:** - Pie chart image with exploded slice - List of segment percentages - Discussion on pie chart suitability

**मराठी सारांश (Marathi Summary):** या प्रात्यक्षिकात आपण पाई चार्ट तयार करून विभागांच्या प्रमाणात वाटप दर्शवू आणि सर्वात मोठ्या भागाला ठळकपणे दाखवू.