# P05 Student Instructions – Pivot Charts

**Objectives:** - Generate charts directly from pivot tables - Choose appropriate chart types for summaries - Analyse trends using visual displays

**Prerequisites:** Experience with pivot tables and basic charts **Estimated Time:** 2 hours **Learning Outcomes:** - Create pivot charts from existing pivot tables - Format and customise chart elements - Interpret trends and patterns from pivot charts

**Dataset Description:** | Column | Type | Description | |——-|——|————-| | Date | datetime64[ns] | Synthetic column | | Product | object | Synthetic column | | Region | object | Synthetic column | | Sales | float64 | Synthetic column | | Quantity | float64 | Synthetic column |

**Tasks and Steps:** 1. Using the pivot table from the previous practical, create a pivot chart 2. Select a line or bar chart to show monthly sales trends 3. Customise chart elements (titles, axes labels, legends) 4. Group dates into months and products into categories if necessary 5. Analyse the chart to identify peak sales periods

**Formulas / Methods:** - Chart totals and groupings derive from pivot table aggregates

**Submission Checklist:** - Pivot chart image with clear formatting - Description of groupings and chart choices - Analysis of observed trends

**मराठी सारांश (Marathi Summary):** या प्रात्यक्षिकात आपण पिव्हॉट चार्ट तयार करून मासिक विक्रीच्या प्रवृत्ती पाहू. योग्य चार्ट प्रकार निवडणे आणि त्याची मांडणी वाचनीय करणे हा अभ्यासाचा भाग आहे.