# P05 Sample Solution Report – Pivot Charts

## Overview

This report summarises the methodology and key findings for the practical. All computations are based on the provided synthetic dataset.

### Dataset Snapshot

Date Product Region Sales Quantity  
2025-01-01 Laptop East 35619.27 6.0  
2025-01-02 Phone West 52396.56 11.0  
2025-01-03 Phone North 44599.81 14.0  
2025-01-04 Phone East 62126.61 14.0  
2025-01-05 Phone North 49012.14 14.0

### Summary Statistics

* Sales\_mean: 49164.03
* Sales\_median: 49440.92
* Sales\_mode: 35619.27
* Sales\_var: 160882983.18
* Sales\_std: 12683.97
* Quantity\_mean: 10.03
* Quantity\_median: 10.00
* Quantity\_mode: 1.00
* Quantity\_var: 30.92
* Quantity\_std: 5.56

### Correlation Matrix

Sales Quantity  
Sales 1.000000 -0.019124  
Quantity -0.019124 1.000000

### Interpretation

The pivot chart will illustrate how sales vary month‑to‑month and which product categories contribute most significantly during peak periods.

### Validation Tips

Compare the pivot chart values with the underlying pivot table totals to ensure consistency.