# P07 Sample Solution Report – Chart Customisation

## Overview

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

### Dataset Snapshot

Category Value1 Value2  
Category C 61.65 6.96  
Category A 53.00 -8.06  
Category B 52.71 -3.73  
Category B 44.79 -6.02  
Category C 44.38 -7.32

### Summary Statistics

* Value1\_mean: 50.09
* Value1\_median: 49.48
* Value1\_mode: 34.82
* Value1\_var: 97.78
* Value1\_std: 9.89
* Value2\_mean: 36.57
* Value2\_median: 35.39
* Value2\_mode: 20.32
* Value2\_var: 491.55
* Value2\_std: 22.17

### Correlation Matrix

Value1 Value2  
Value1 1.000000 -0.033423  
Value2 -0.033423 1.000000

### Interpretation

Comparison between bar and line charts reveals how trends are perceived differently. Additional labels and gridlines help to make precise value comparisons.

### Validation Tips

Ensure the same data is used when comparing chart types. Avoid adding too many custom elements that may distract from the data.