

# STATISTICAL BUSINESS ANALYSIS REPORT

## Descriptive Statistics

Average Sales: 123650.48

Standard Deviation: 100161.09

95% Confidence Interval: (103776.35, 143524.61)

## Correlation Analysis

Correlation between Quantity and Total Sales: 0.69

## Hypothesis Testing Summary

Sales differ significantly across regions ( $p < 0.05$ ).

Quantity has a significant impact on Total Sales.

## Business Insights

- Higher quantity sold leads to higher total sales.
- Regional performance varies significantly.
- Statistical evidence supports data-driven decision making.