Professional Data Analysis Report

Comprehensive Analysis & Insights

Report Generated: November 27, 2025
Platform: Insightify Professional Analytics
Version: 2.0 (Dynamic Engine)
Status: Confidential

Executive Summary

Report Overview:
This comprehensive data analysis report presents key insights and metrics from the provided dataset. The analysis covers 9,800 records with 18 columns.

Dataset Composition:
- Numeric Columns: **3**
- Categorical Columns: **15**
- Date Columns: **0**
- Missing Values: **11**
- Duplicate Rows: **0**

Numeric Analysis

Column	Mean	Median	Min	Max
Row ID	4900.50	4900.50	1.00	9800.00
Postal Code	55273.32	58103.00	1040.00	99301.00
Sales	230.77	54.49	0.44	22638.48

Categorical Analysis

Column: Order ID
Unique Values: 4922
Most Frequent: CA-2018-100111

Value	Count
CA-2018-100111	14
CA-2018-157987	12
US-2017-108504	11
CA-2017-165330	11
US-2016-126977	10
CA-2016-131338	10
CA-2017-105732	10
CA-2016-104346	9
CA-2016-158421	9
CA-2018-140949	9

Column: Order Date
Unique Values: 1230
Most Frequent: 05/09/2017

Value	Count
05/09/2017	38
10/11/2017	35
01/12/2018	34
02/12/2018	34
09/12/2018	33
02/09/2018	33
08/12/2018	30
12/11/2018	30
09/09/2018	29
04/09/2018	28

Column: Ship Date
Unique Values: 1326
Most Frequent: 26/09/2018

Value	Count
26/09/2018	34
06/12/2018	32
16/12/2016	31
15/09/2018	30
12/12/2018	30
21/11/2018	30
06/09/2018	30

13/09/2015	27
08/09/2018	27
18/11/2018	26

Column: Ship Mode
Unique Values: 4
Most Frequent: Standard Class

Value	Count
Standard Class	5859
Second Class	1902
First Class	1501
Same Day	538

Column: Customer ID
Unique Values: 793
Most Frequent: WB-21850

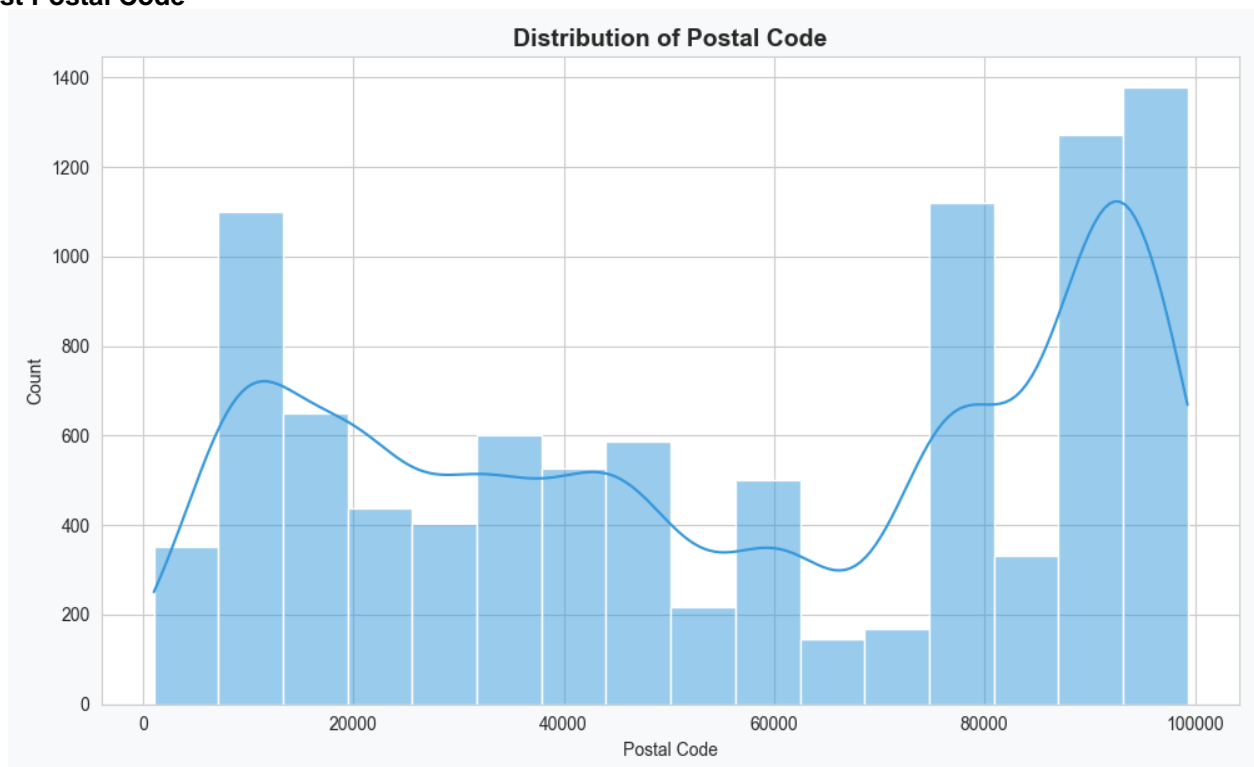| Value	Count
WB-21850	35
MA-17560	34
PP-18955	34
JL-15835	33
JD-15895	32
CK-12205	32
SV-20365	32
AP-10915	31
EP-13915	31
ZC-21910	31

Correlation Analysis

Significant correlations found between variables:
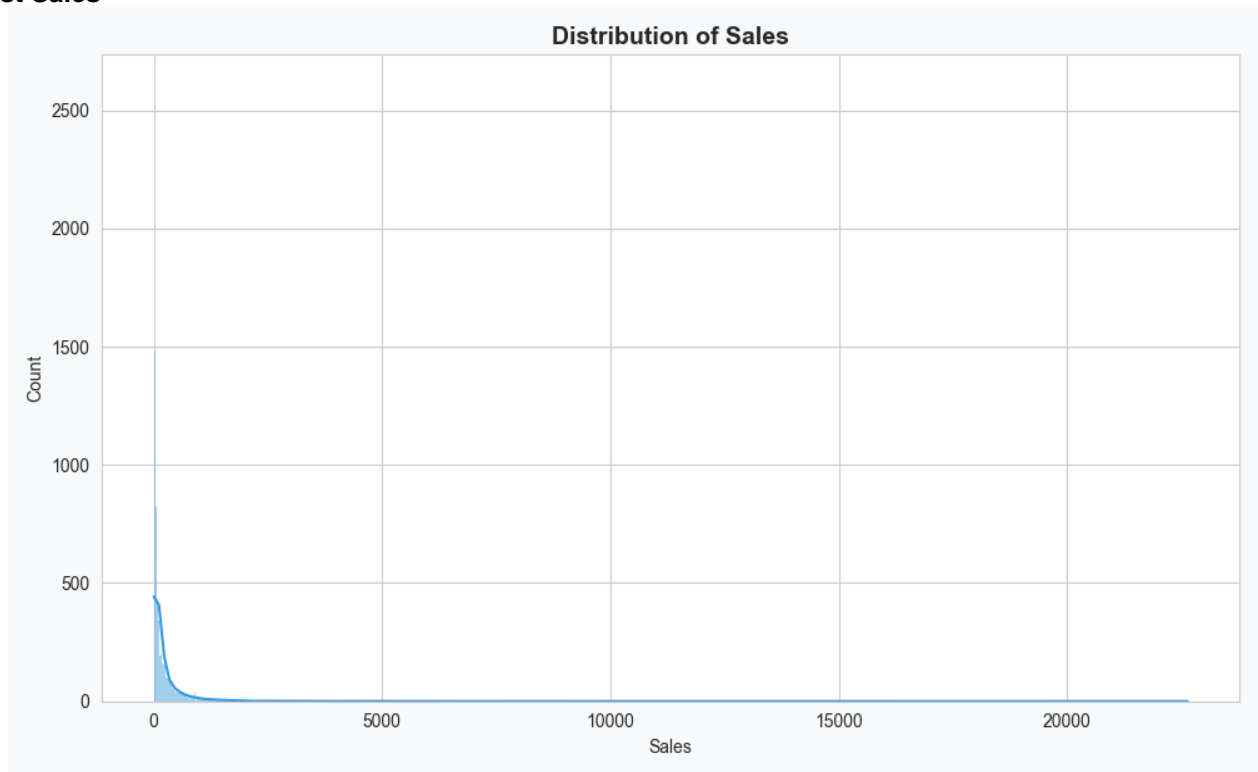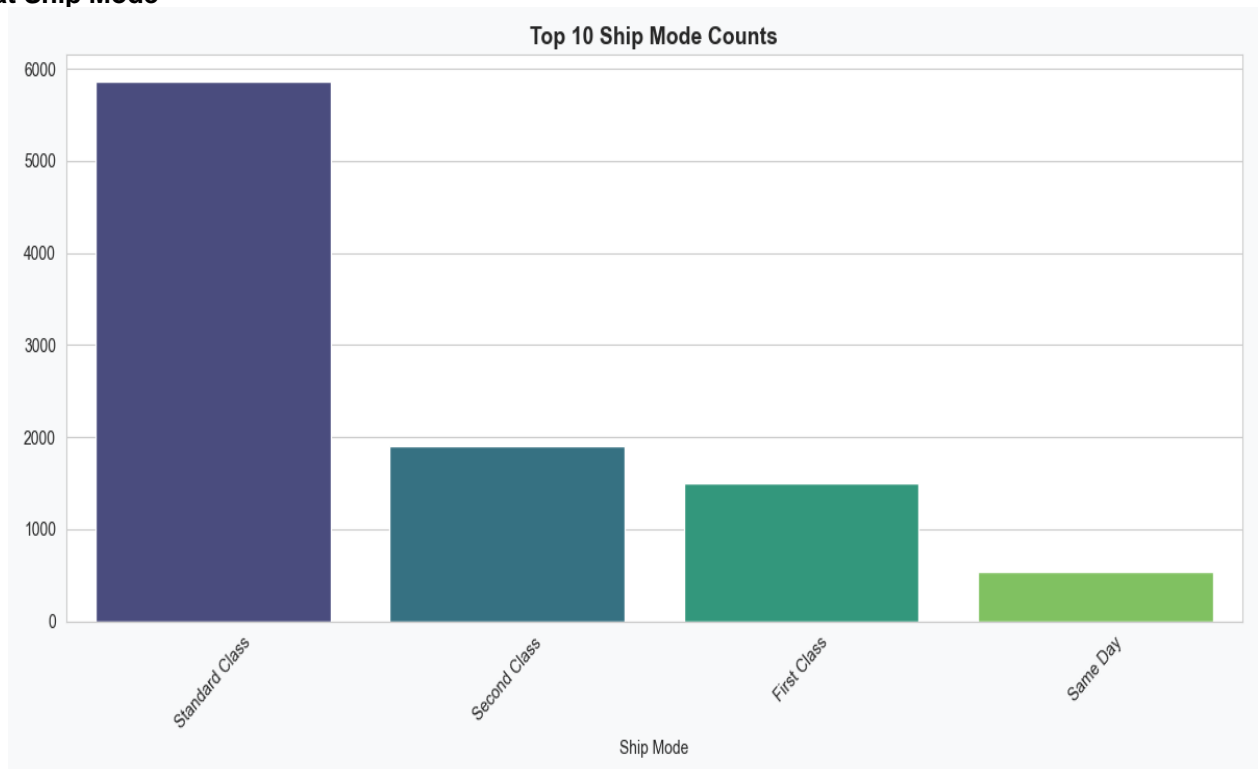No significant correlations found.

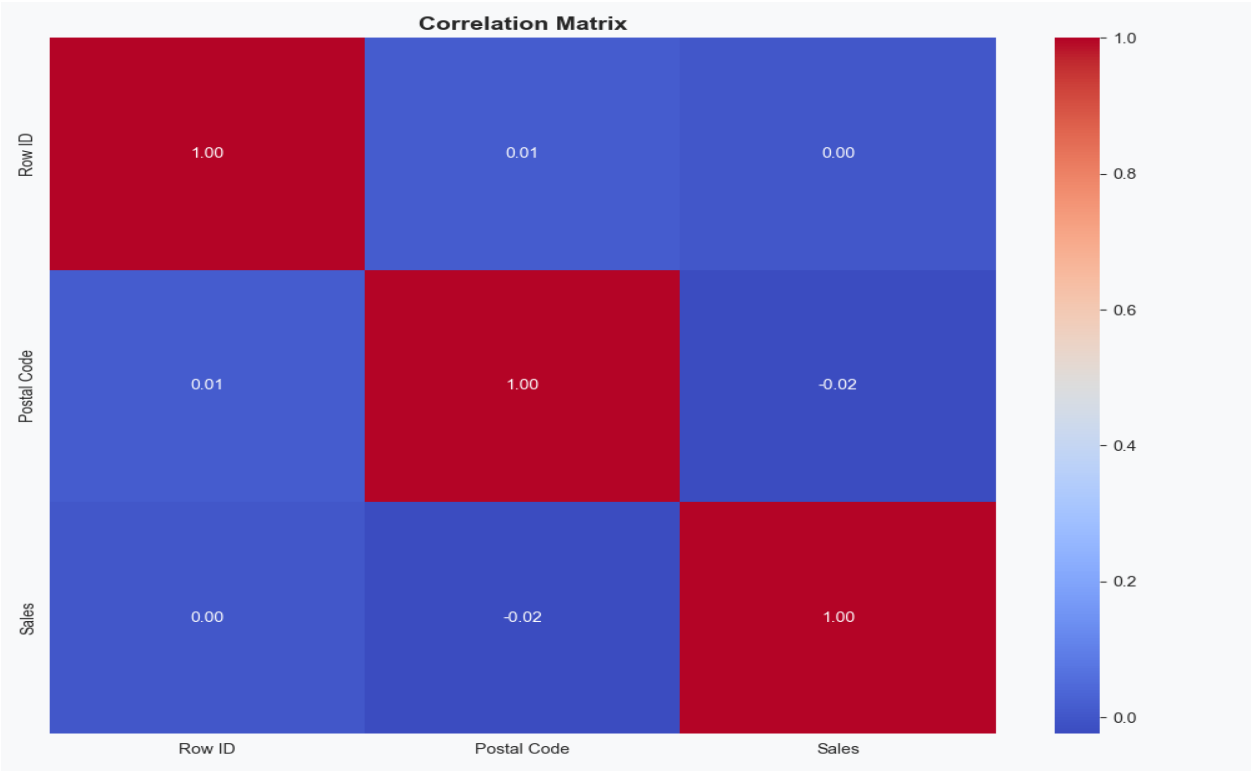# Data Visualizations

0 Dist Row Id

1 Dist Postal Code

2 Dist Sales

3 Cat Ship Mode

4 Correlation

Correlation Matrix

	Row ID	Postal Code	Sales
Row ID	1.00	0.01	0.00
Postal Code	0.01	1.00	-0.02
Sales	0.00	-0.02	1.00

Conclusions & Recommendations

Automated Insights:

1. **Data Quality:** The dataset has been analyzed for completeness and integrity. Please review the Executive Summary for details on missing values or duplicates.

2. **Statistical Trends:** The Numeric Analysis section highlights the central tendencies and spread of your data. Outliers or extreme values can be identified from the Min/Max values.

3. **Relationships:** The Correlation Analysis (if applicable) has identified potential relationships between variables. Strong correlations (close to 1 or -1) suggest predictive power.

Recommendations:
• Investigate any high correlation pairs to understand causal relationships.
• Review categorical distributions to identify dominant groups or rare classes.
• Use the generated visualizations to present findings to stakeholders.

Report Generated: 2025-11-27 23:53:32
This report contains confidential business information and should be handled accordingly.