

IS-429 Lab UAS Ray Anthony Pranoto 00000066655

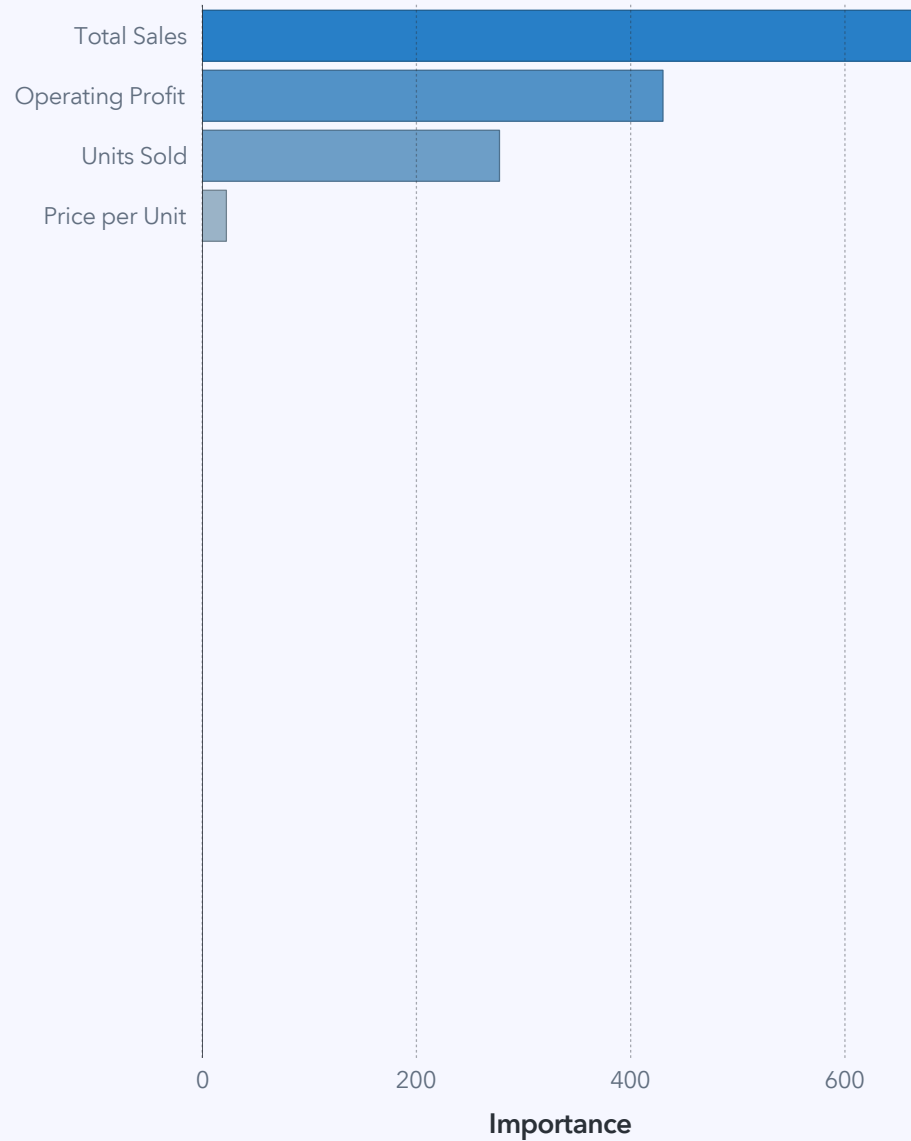
Creation Date: Thursday, May 30, 2024 08:07:10 PM

Author: ray.anthony@student.umn.ac.id

Forest

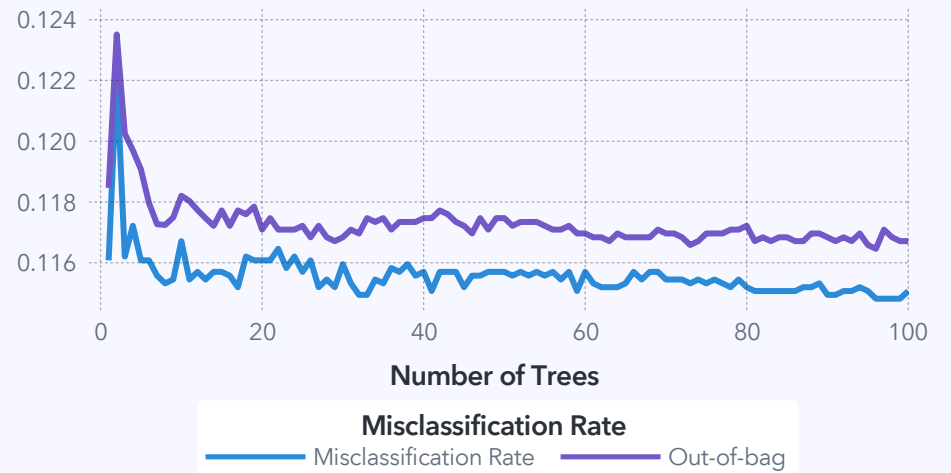
Forest **Sales_Level** (event=Low) Misclassification Rate **0.1148** Observations Used **7,917**

Variable Importance



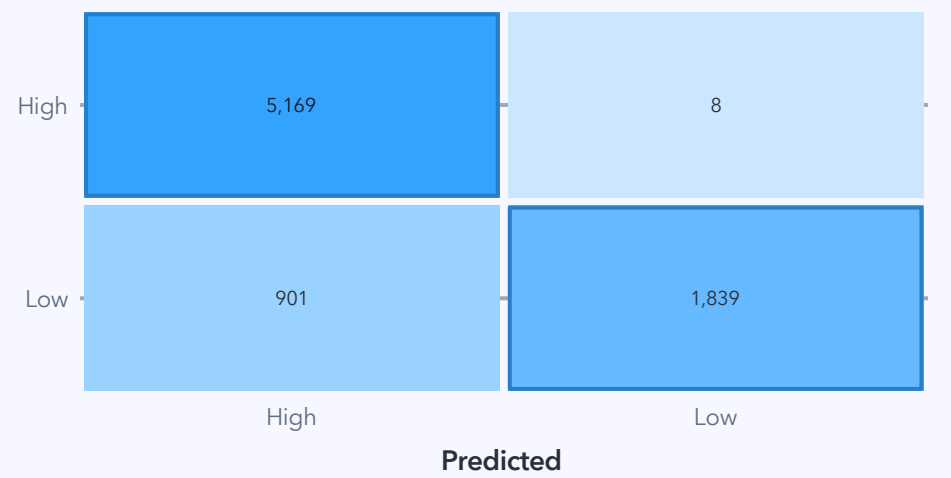
Error Plot

Misclassification Rate



Confusion Matrix

Observed



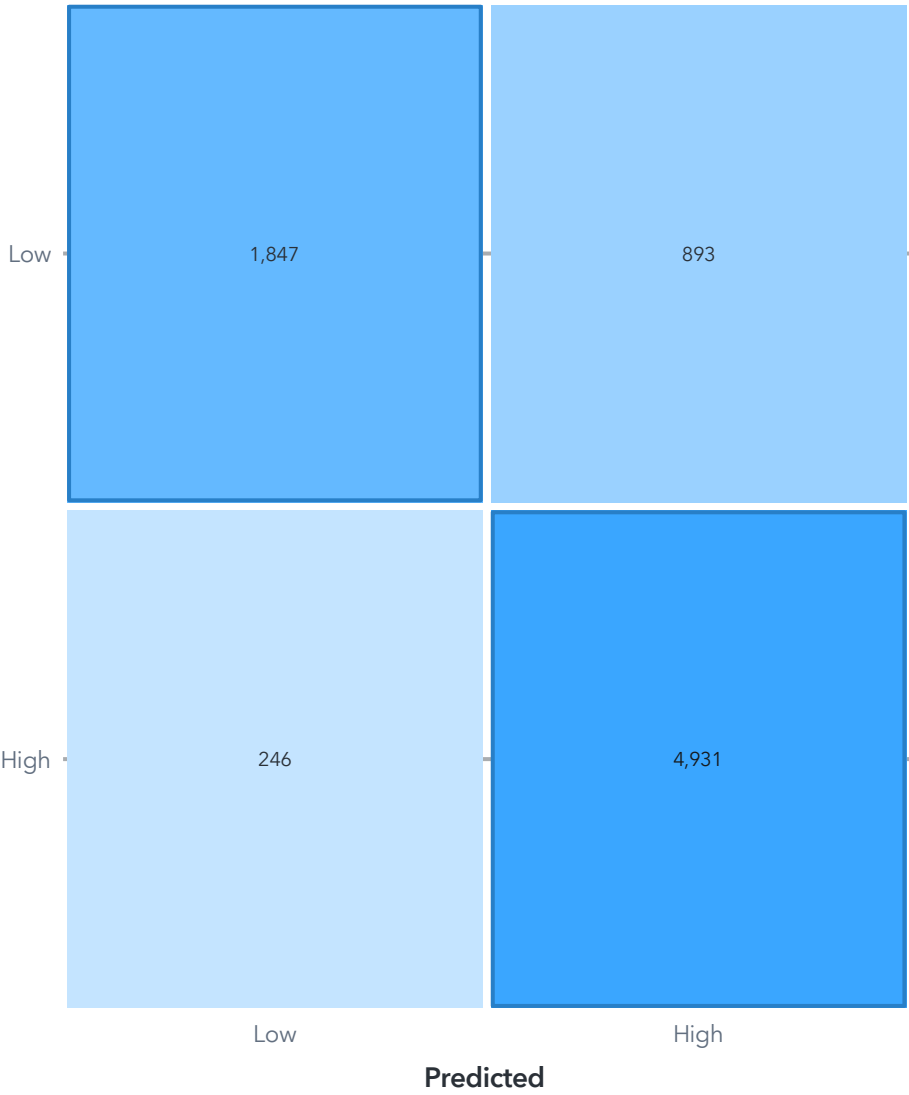
Support Vector Machine

Support Vector Machine **Sales_Level** (event=Low) Misclassification Rate (Event) **0.1439** Observations Used **7,917**

Relative Importance Plot

Confusion Matrix

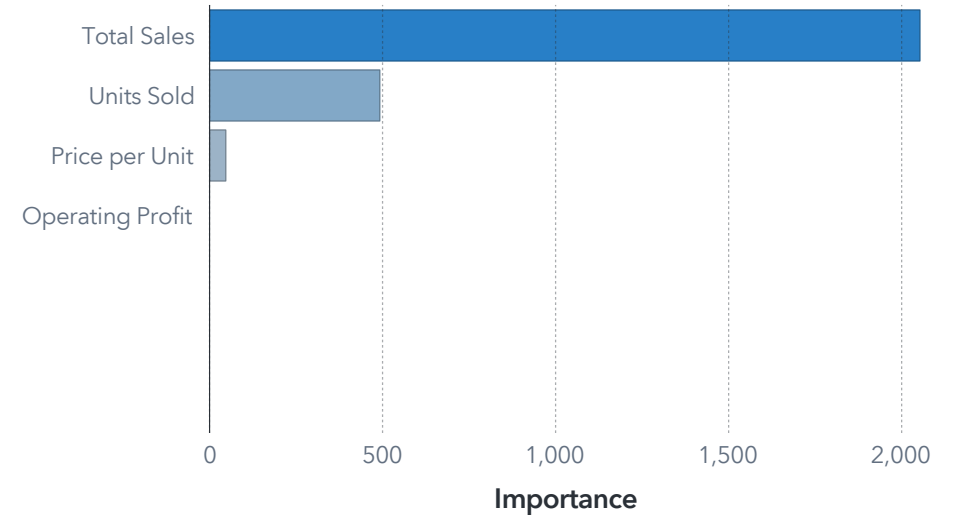
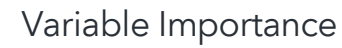
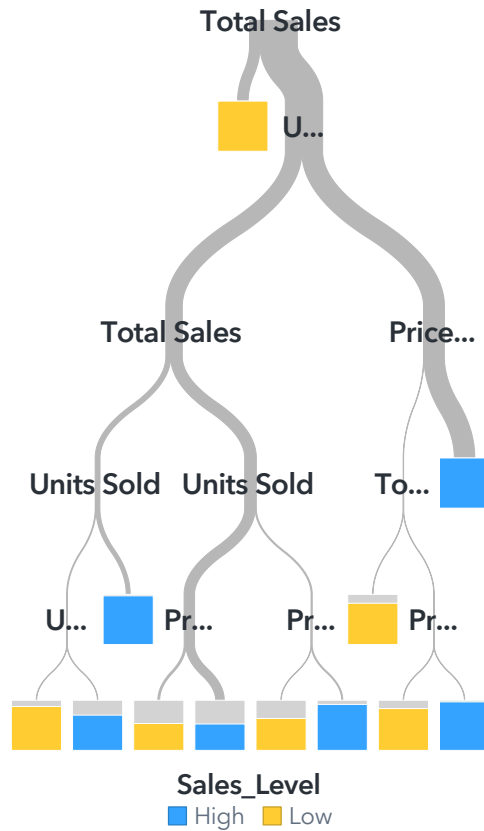
Observed



Decision Tree

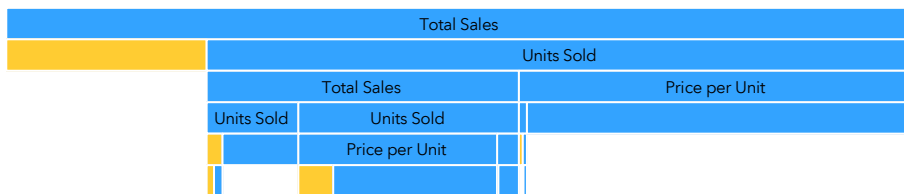
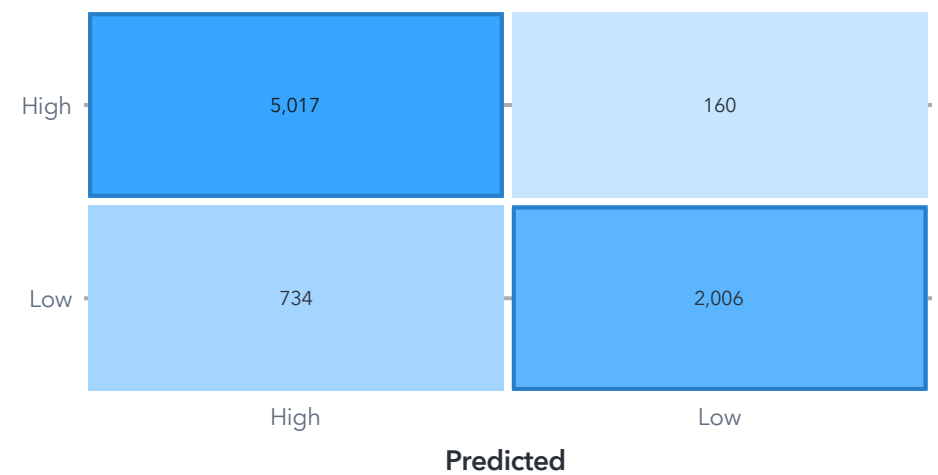
Decision Tree **Sales_Level** (event=Low) Misclassification Rate **0.1129** Observations Used **7,917**

Tree



Confusion Matrix

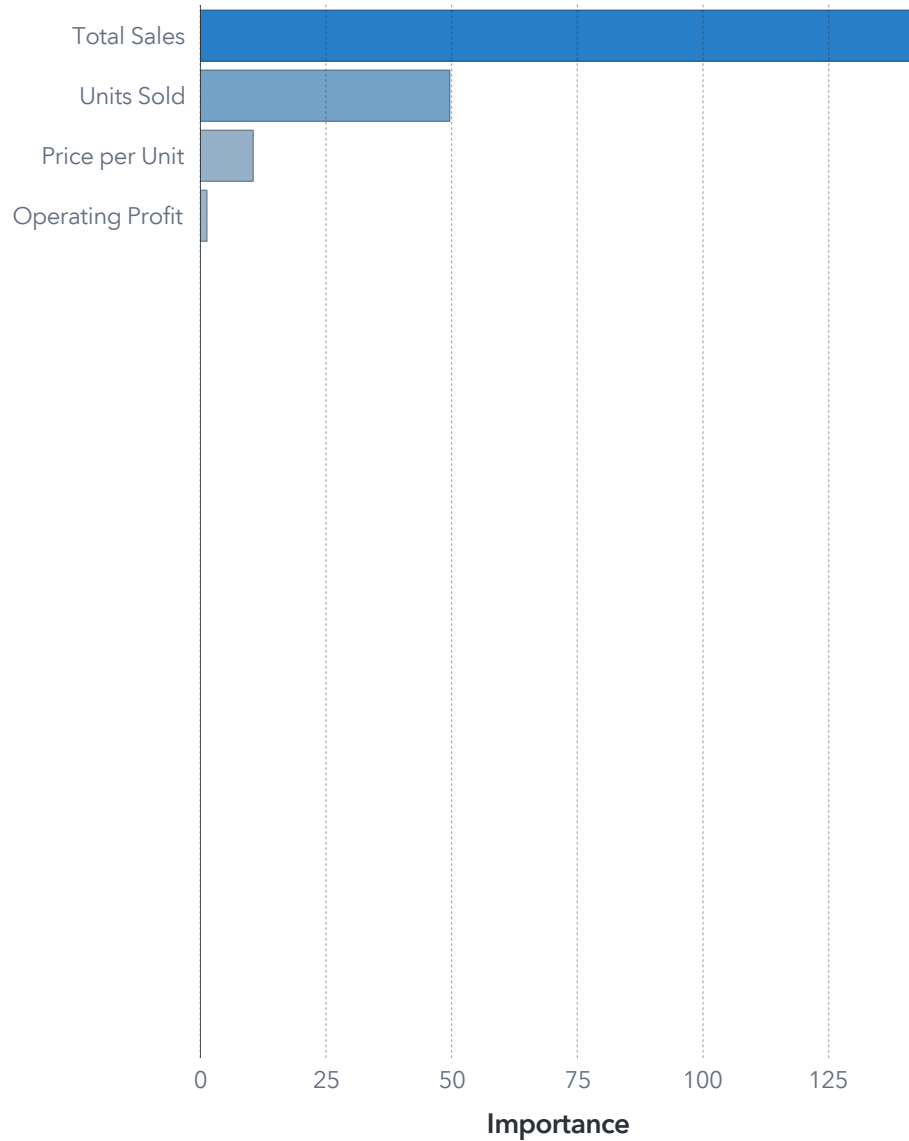
Observed



Gradient Boosting

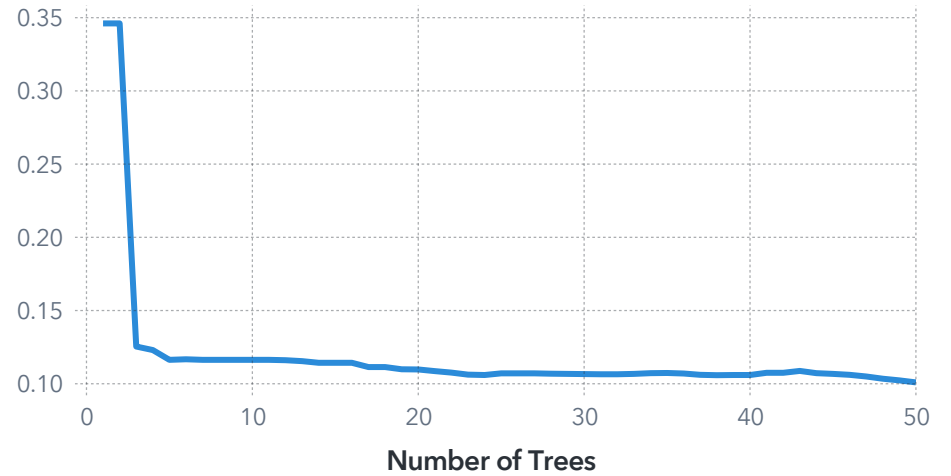
Gradient Boosting **Sales_Level** (event=Low) Misclassification Rate **0.1009** Observations Used **7,917**

Variable Importance



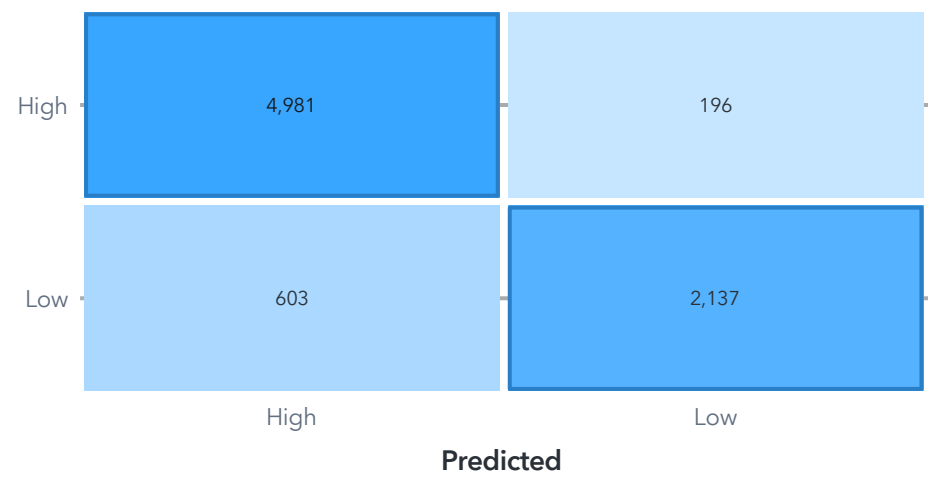
Iteration Plot

Misclassification Rate



Confusion Matrix

Observed

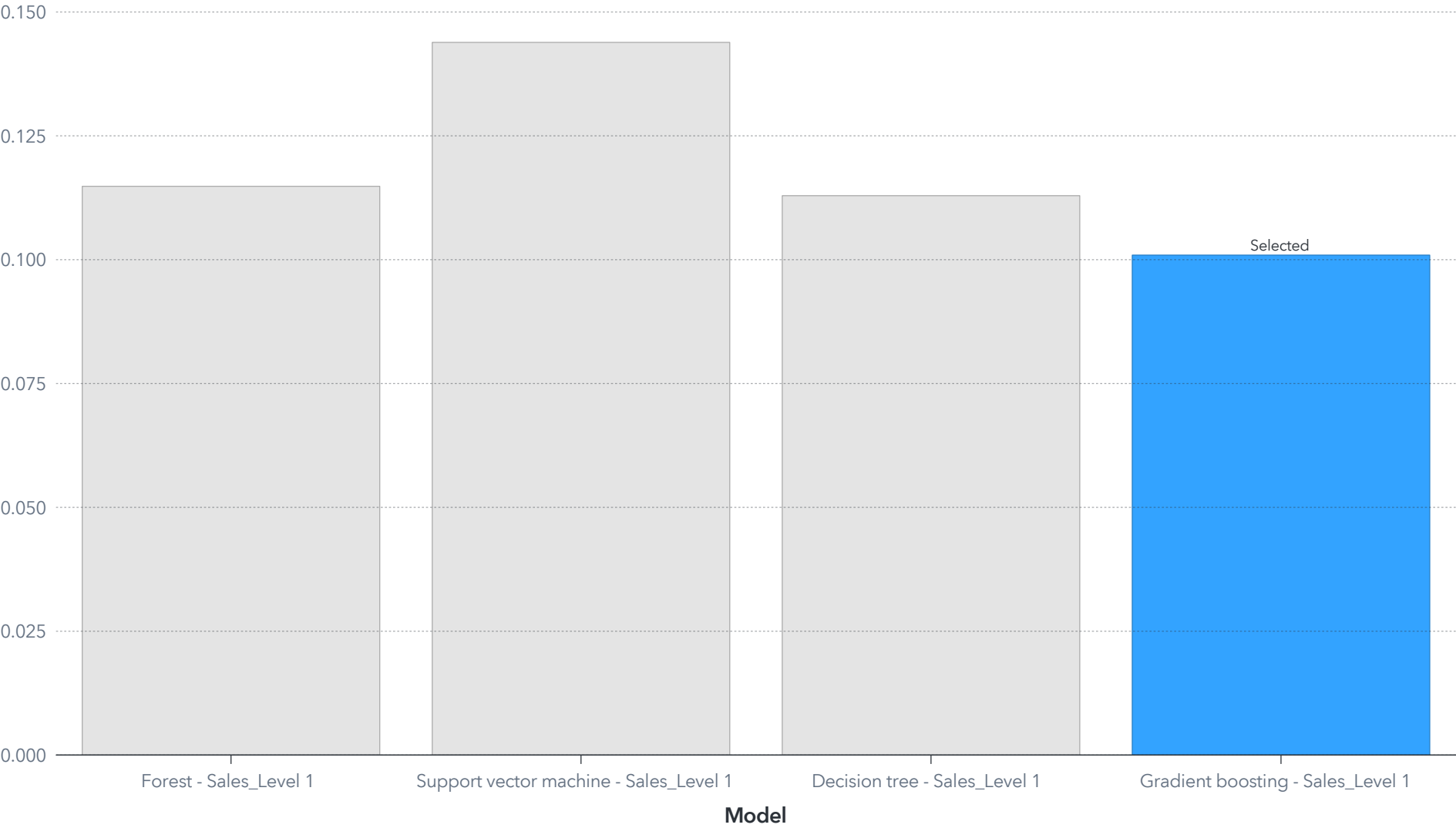


Model Comparison

Model Comparison **Sales_Level** (event=Low)

Fit Statistic

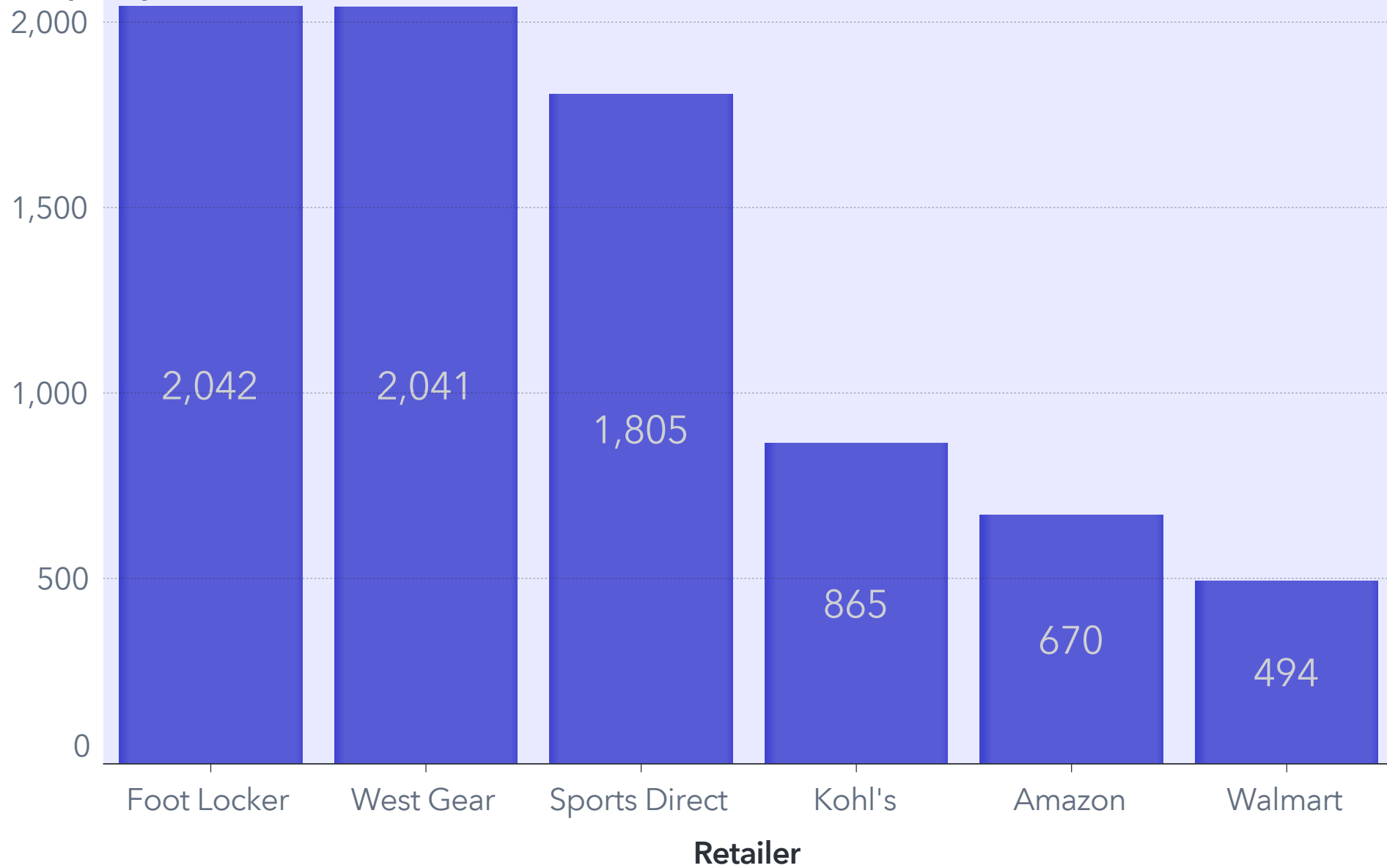
Misclassification Rate (Event)



Bar chart Frequency Of Retailer

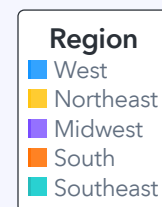
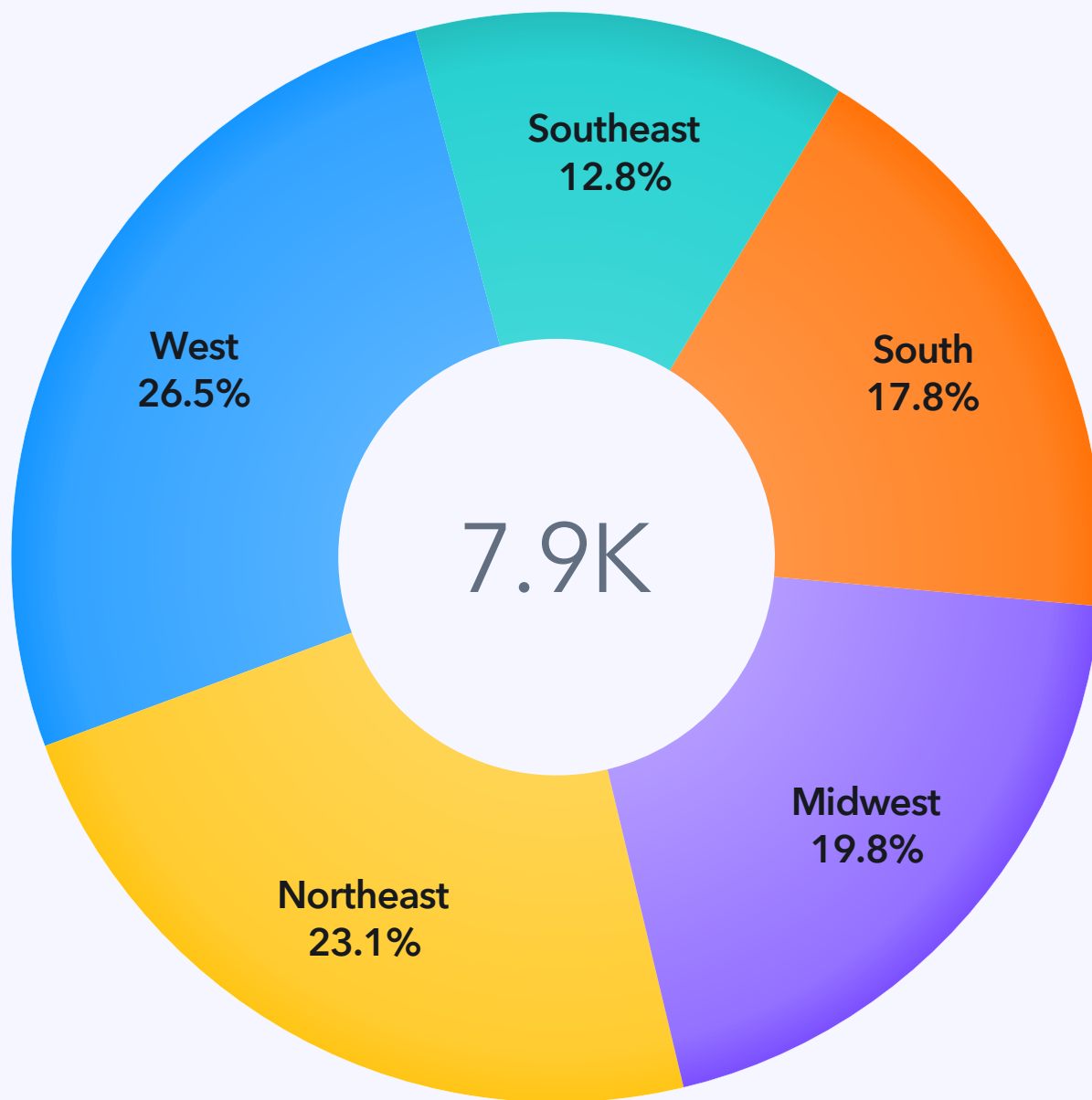
Frequency of Retailer

Frequency



Pie Chart Frequency Of Region

Frequency of Region
Frequency



Histogram Of Units Sold

Frequency of Units Sold

Frequency

1,200

1,000

800

600

400

200

0

0

250

500

750

1000

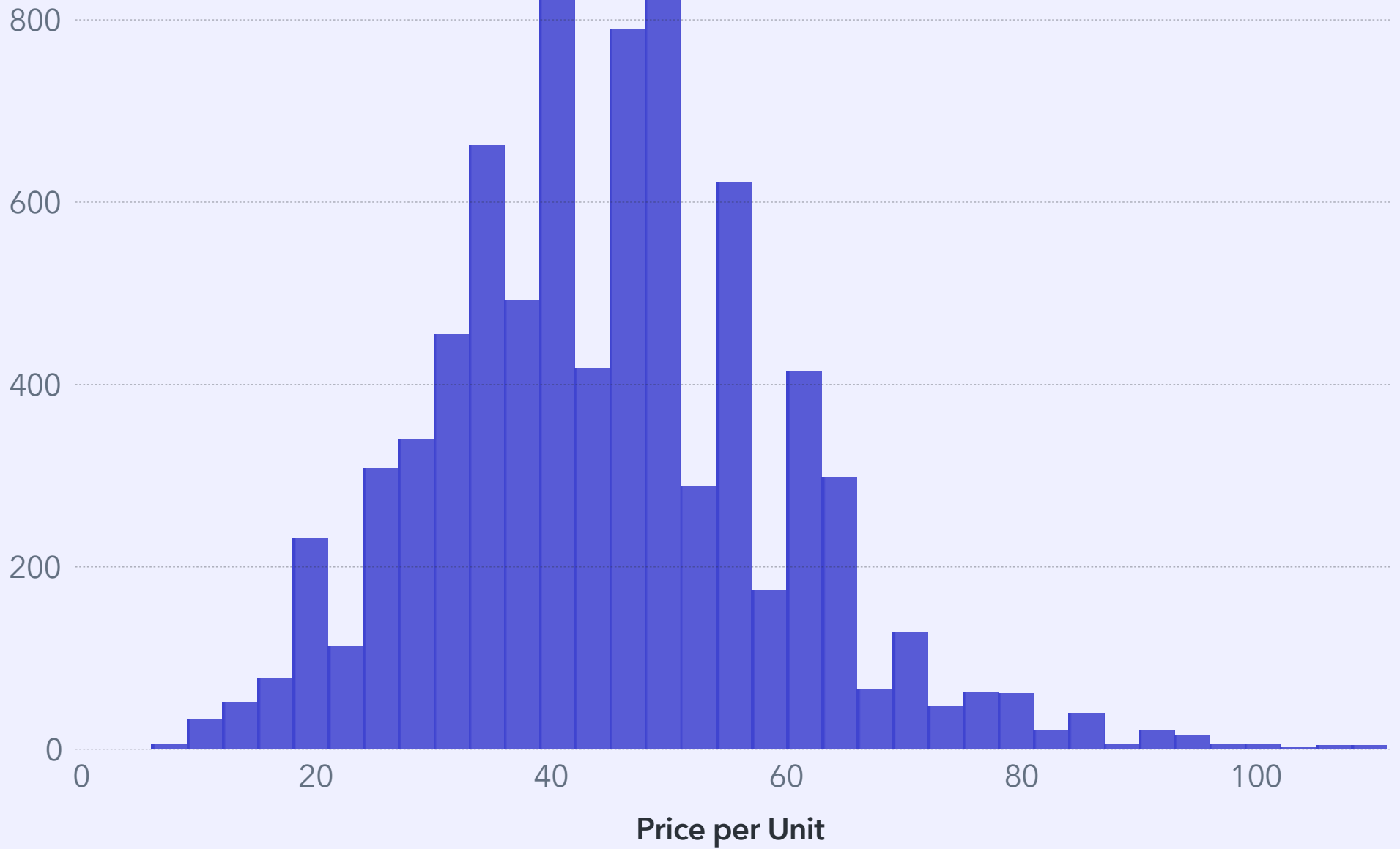
1250

Units Sold

Histogram Frequency Of Price Per Unit

Frequency of Price per Unit

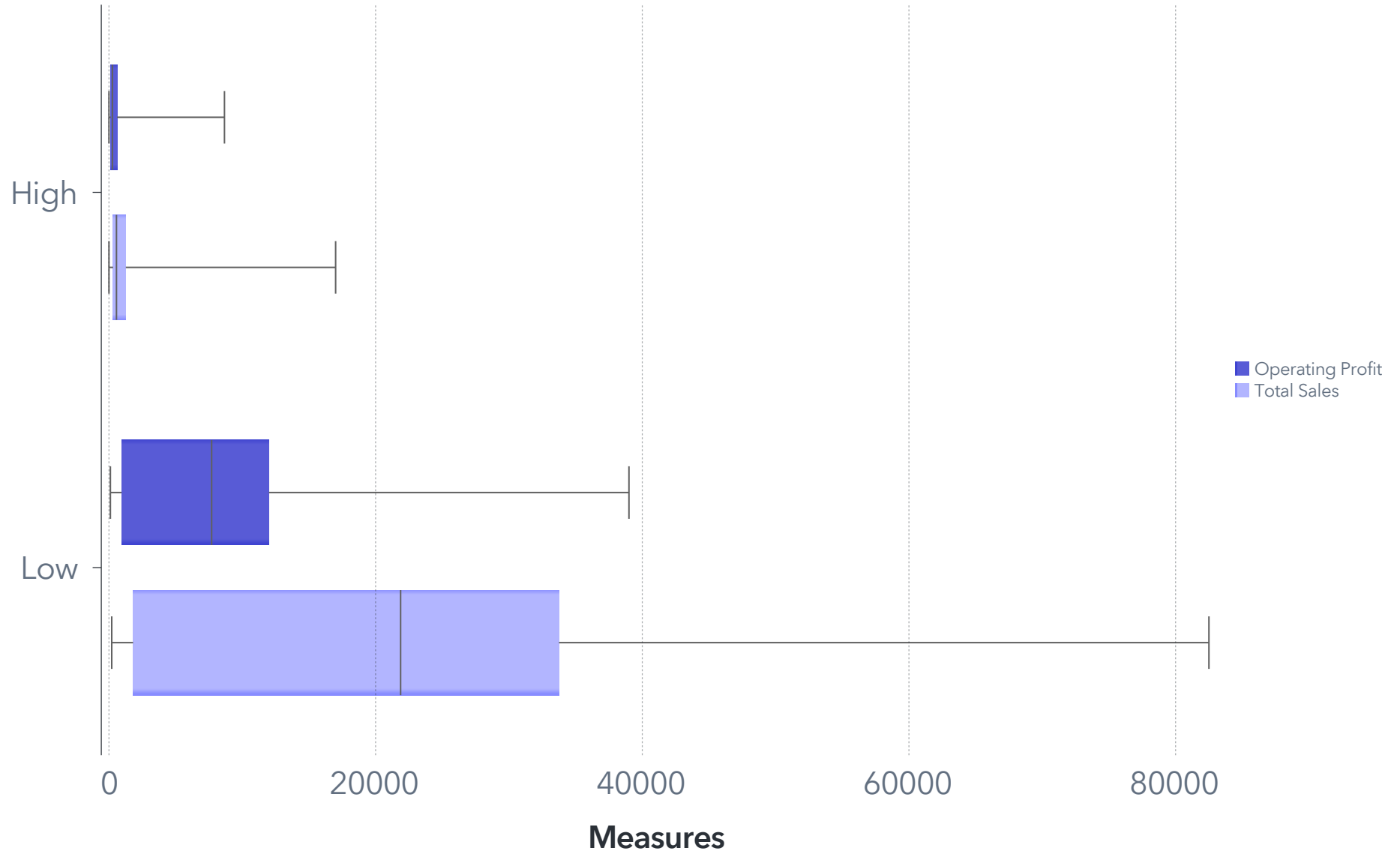
Frequency



Boxplot By Sales_Level

Operating Profit, Total Sales by Sales_Level

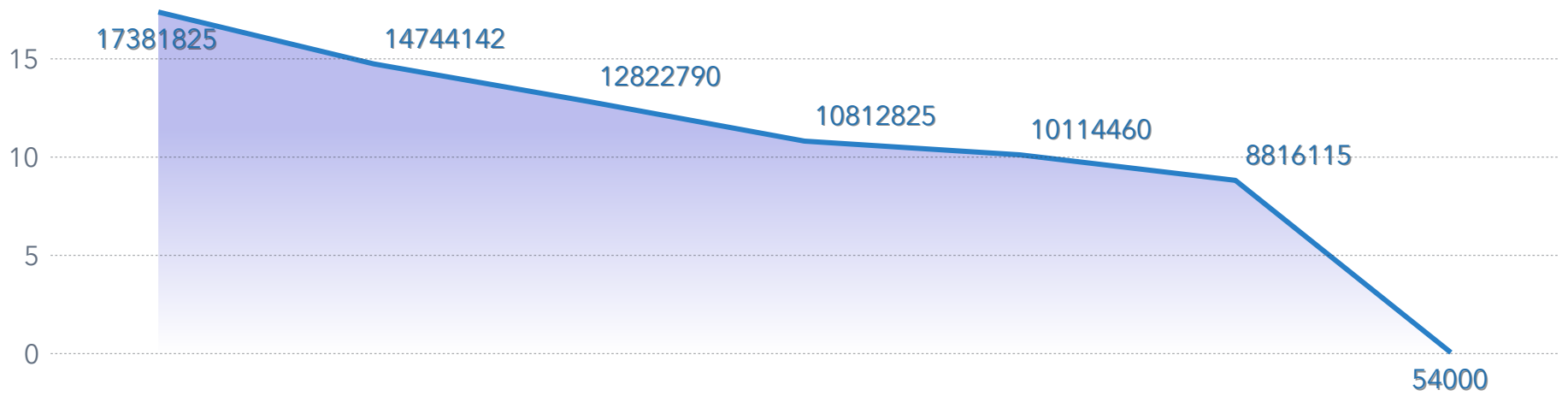
Sales_Level



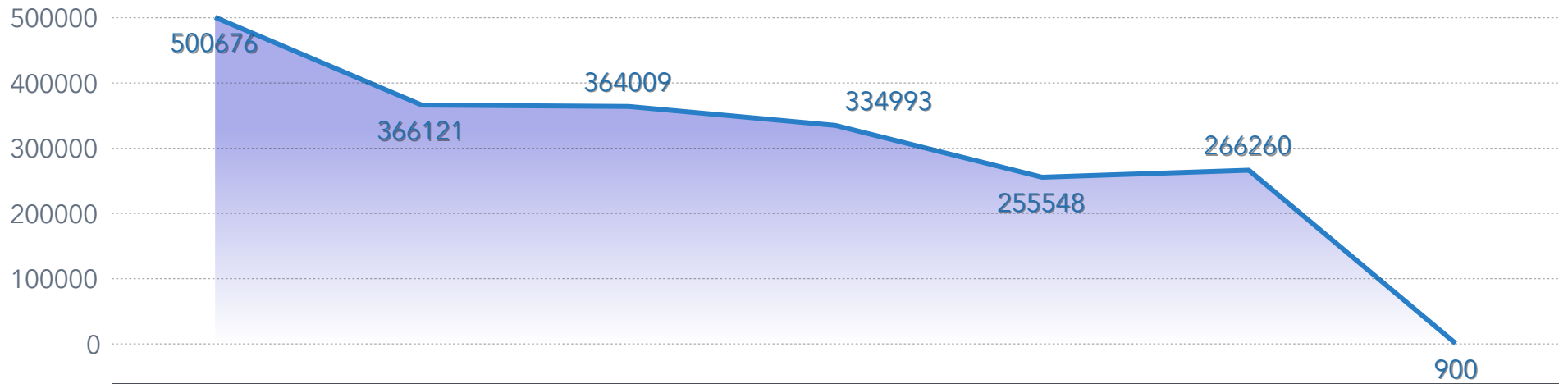
Total Sales & Unit Sold By Product

Total Sales, Units Sold by Product

Total Sales (millions)



Units Sold



Men's Street Footwear Women's Apparel Men's Athletic Footwear Women's Street Footwear Men's Apparel Women's Athletic Footwear Men's apparel

Product

Time Series Plot Units Sold By Month_Year

Units Sold by month_year

Units Sold (millions)

