KellyMae_00000051428_IS529_BL_UTS

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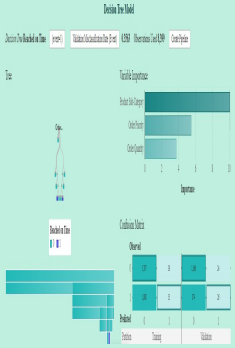
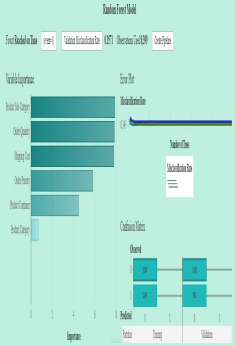
Everything About Quality

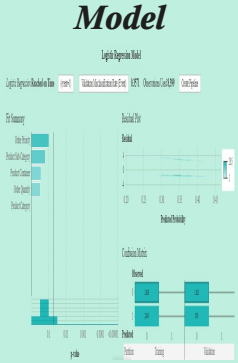
Decision Tree Model



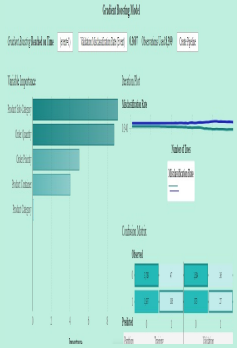
Random Forest Model



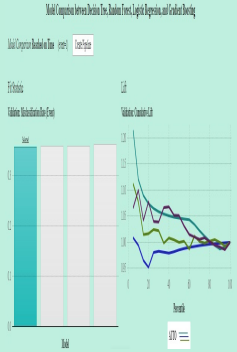
Logistic Regression Model



Gradient Boosting Model



Model Comparison



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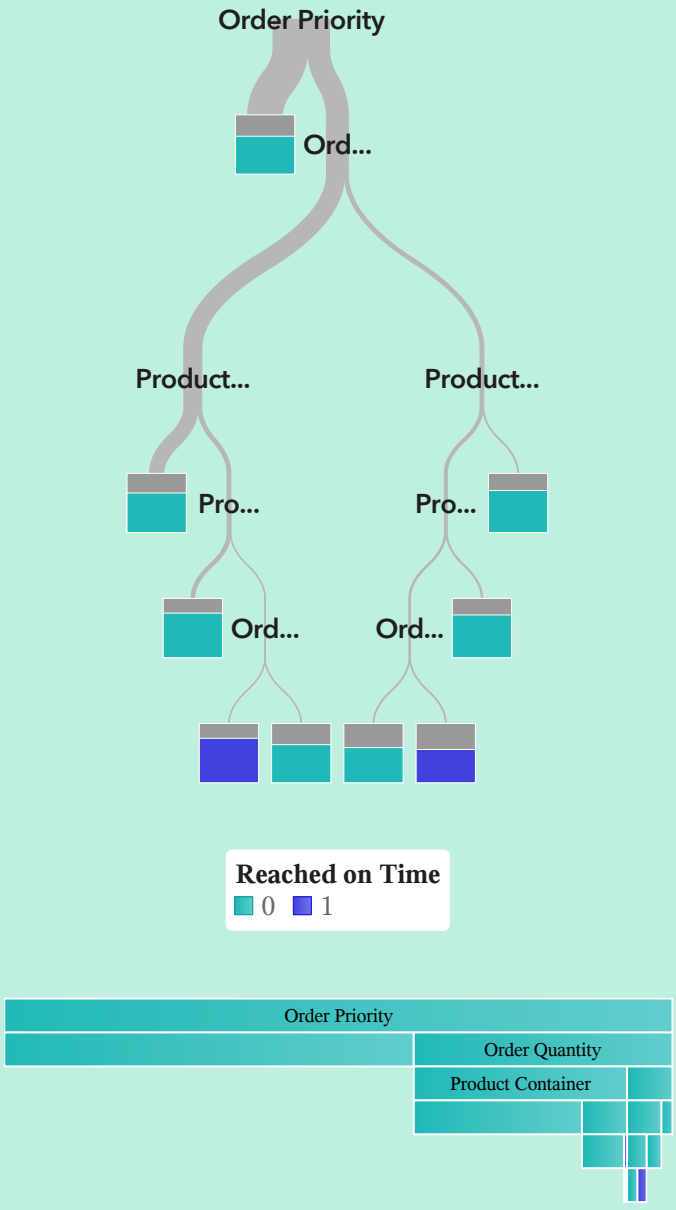
Everything About Quality

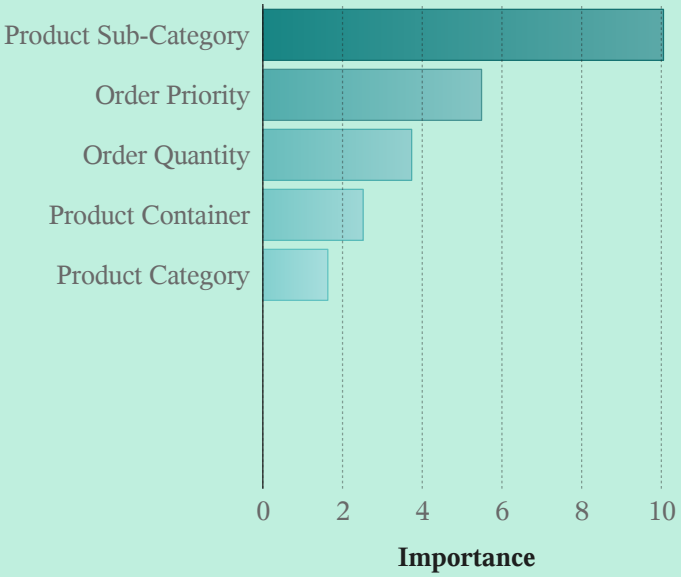
Decision Tree Model

Decision Tree **Reached on Time** (event=1) Validation Misclassification Rate (Event) **0.3563**
Observations Used **8,399**

Tree



Variable Importance



Confusion Matrix

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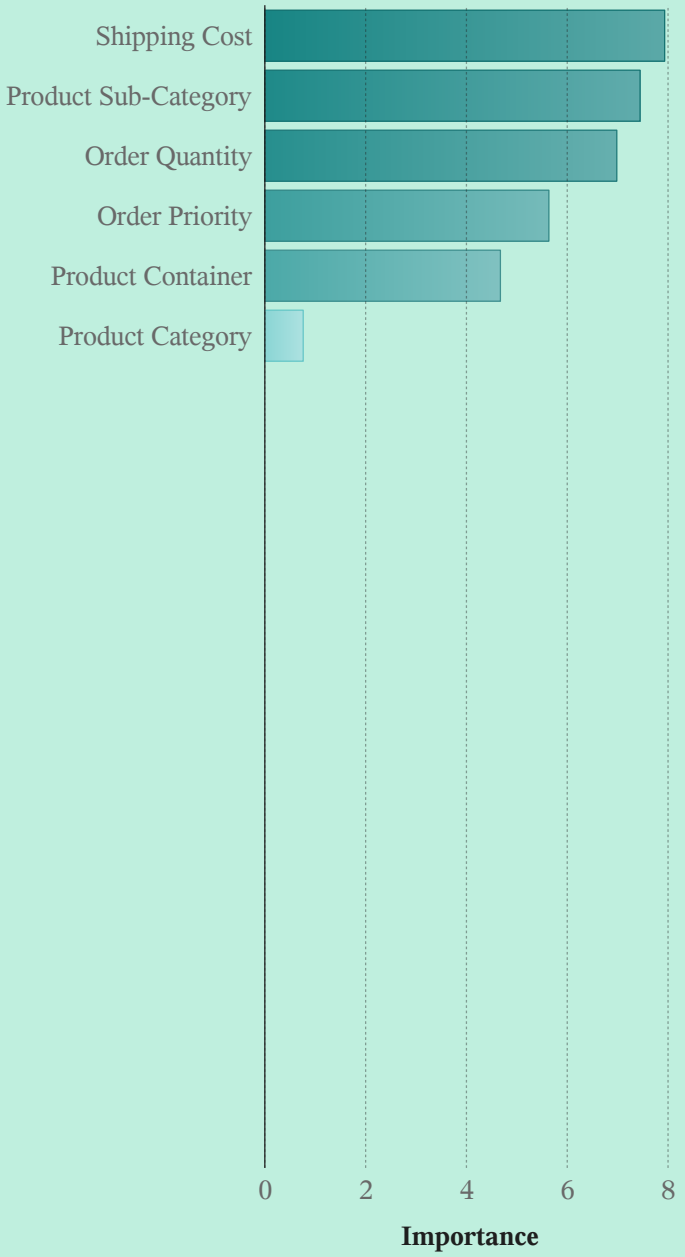
Everything About Quality

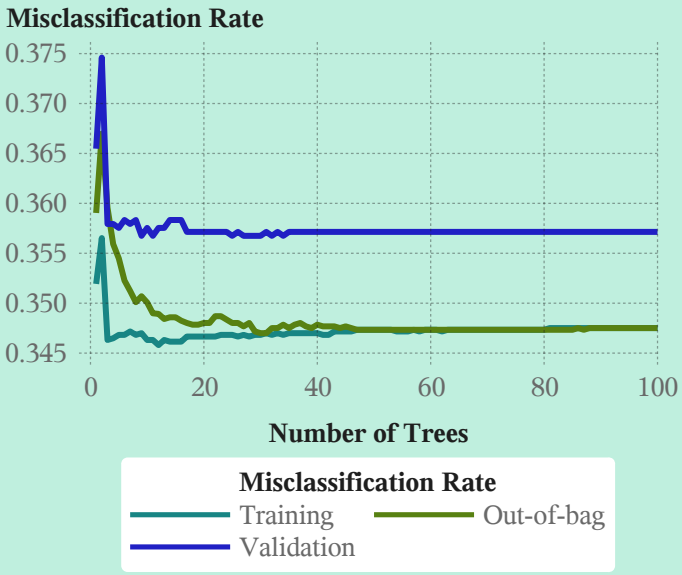
Random Forest Model

Forest **Reached on Time** (event=1) Validation Misclassification Rate **0.3571** Observations Used **8,399**

Variable Importance



Error Plot



Confusion Matrix

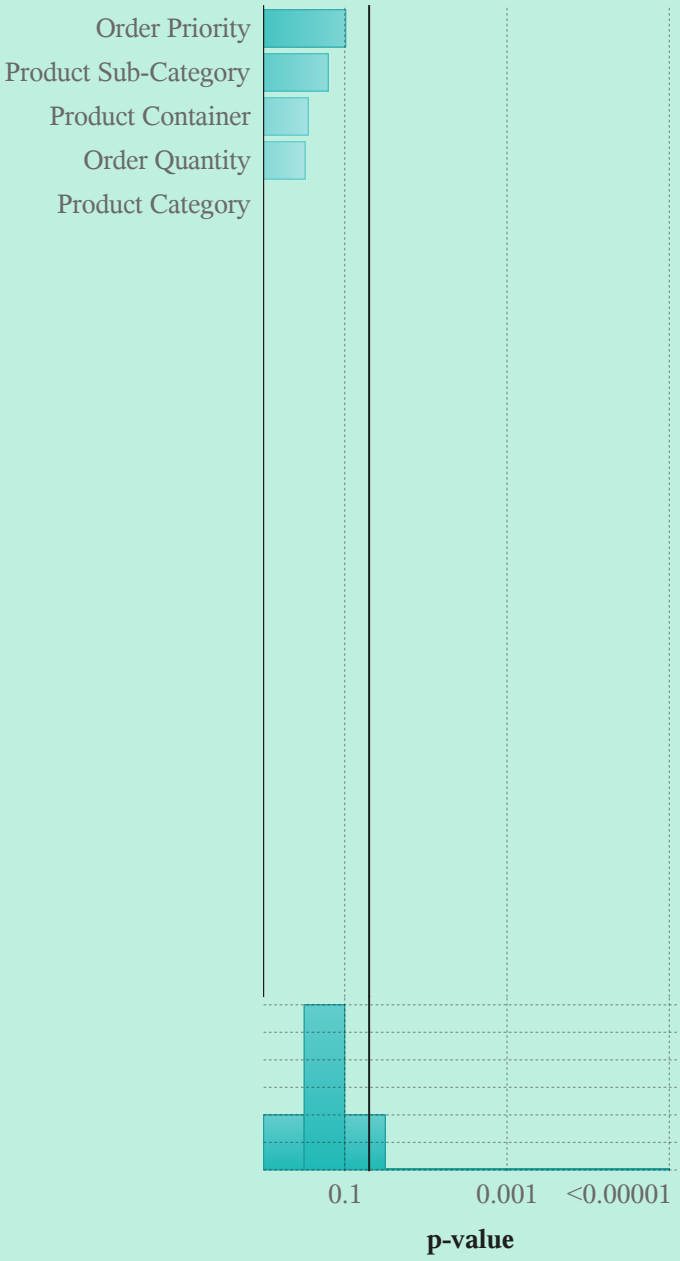
EverZone Warehouse

Everything About Quality

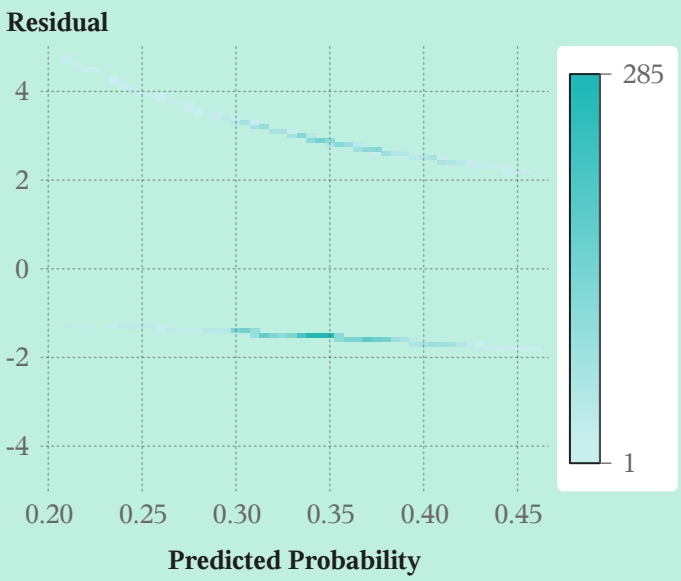
Logistic Regression Model

Logistic Regression **Reached on Time** (event=1) Validation Misclassification Rate (Event) **0.3571**
Observations Used **8,399**

Fit Summary



Residual Plot



Confusion Matrix

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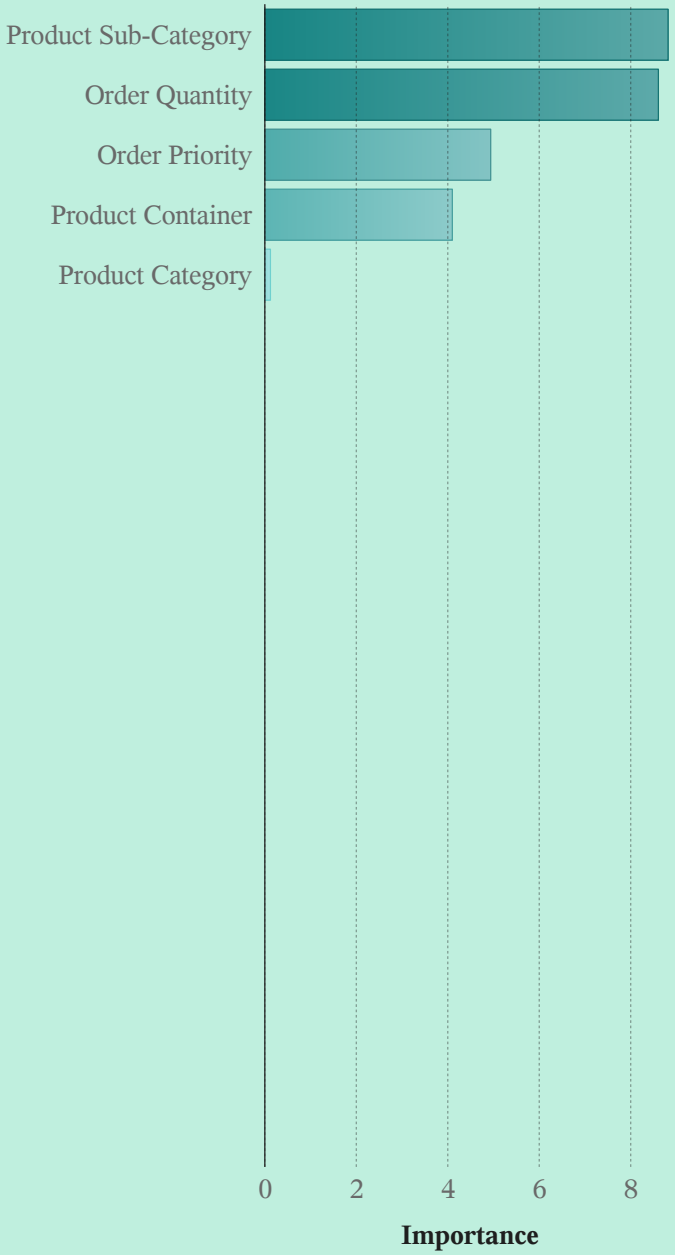
Everything About Quality

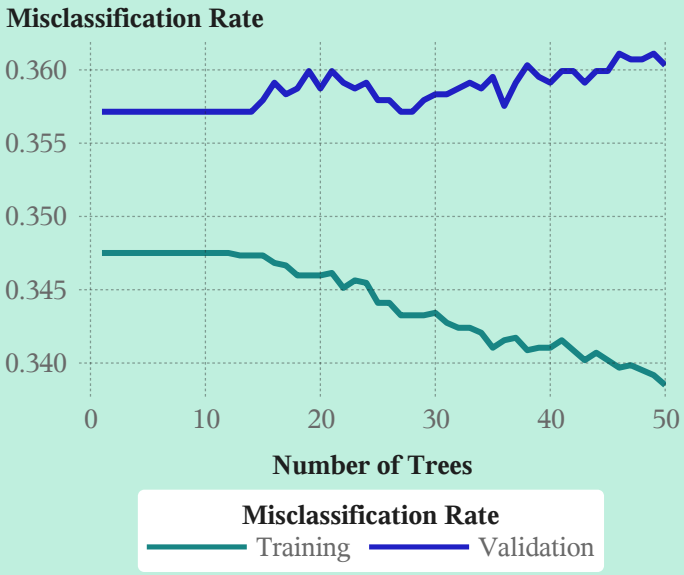
Gradient Boosting Model

Gradient Boosting **Reached on Time** (event=1) Validation Misclassification Rate (Event) **0.3603**
Observations Used **8,399**

Variable Importance



Iteration Plot



Confusion Matrix

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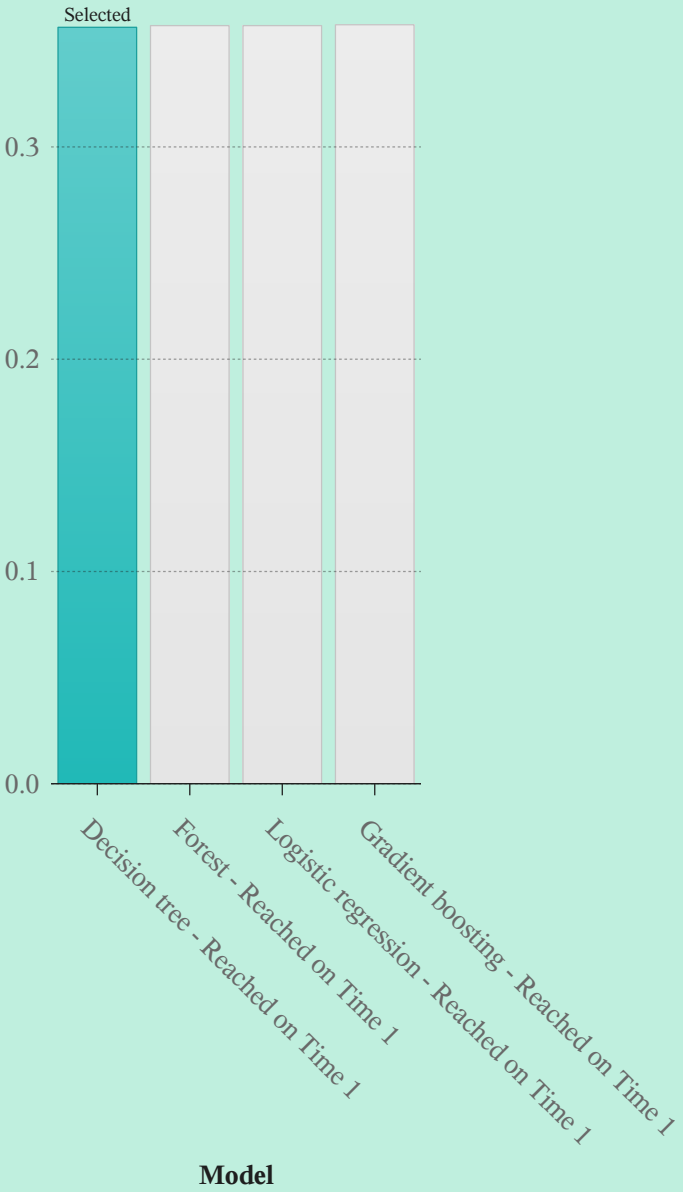
Everything About Quality

Model Comparison between Decision Tree, Random Forest, Logistic Regression, and Gradient Boosting

Model Comparison **Reached on Time** (event=1)

Fit Statistic

Validation: Misclassification Rate (Event)



Lift

Validation: Cumulative Lift