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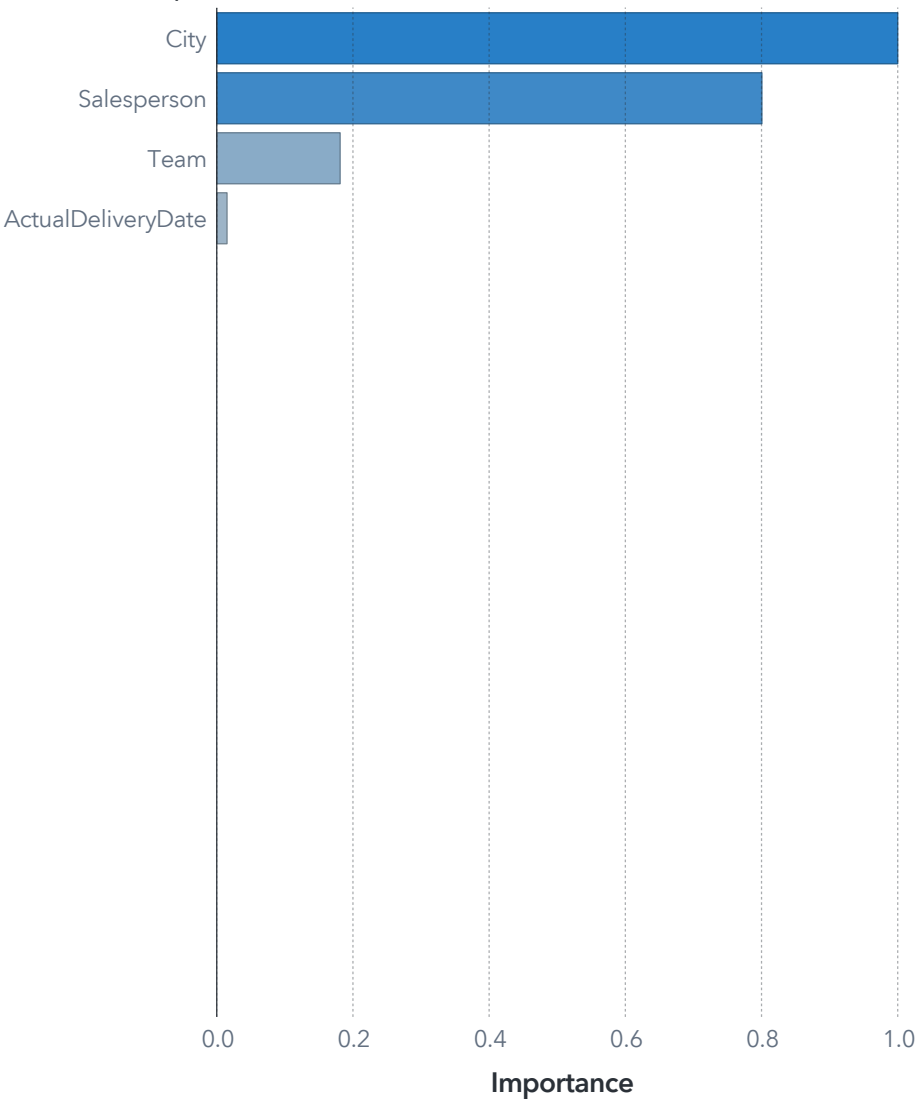
Author: ray.anthony@student.umn.ac.id

SVM LoGISTECH

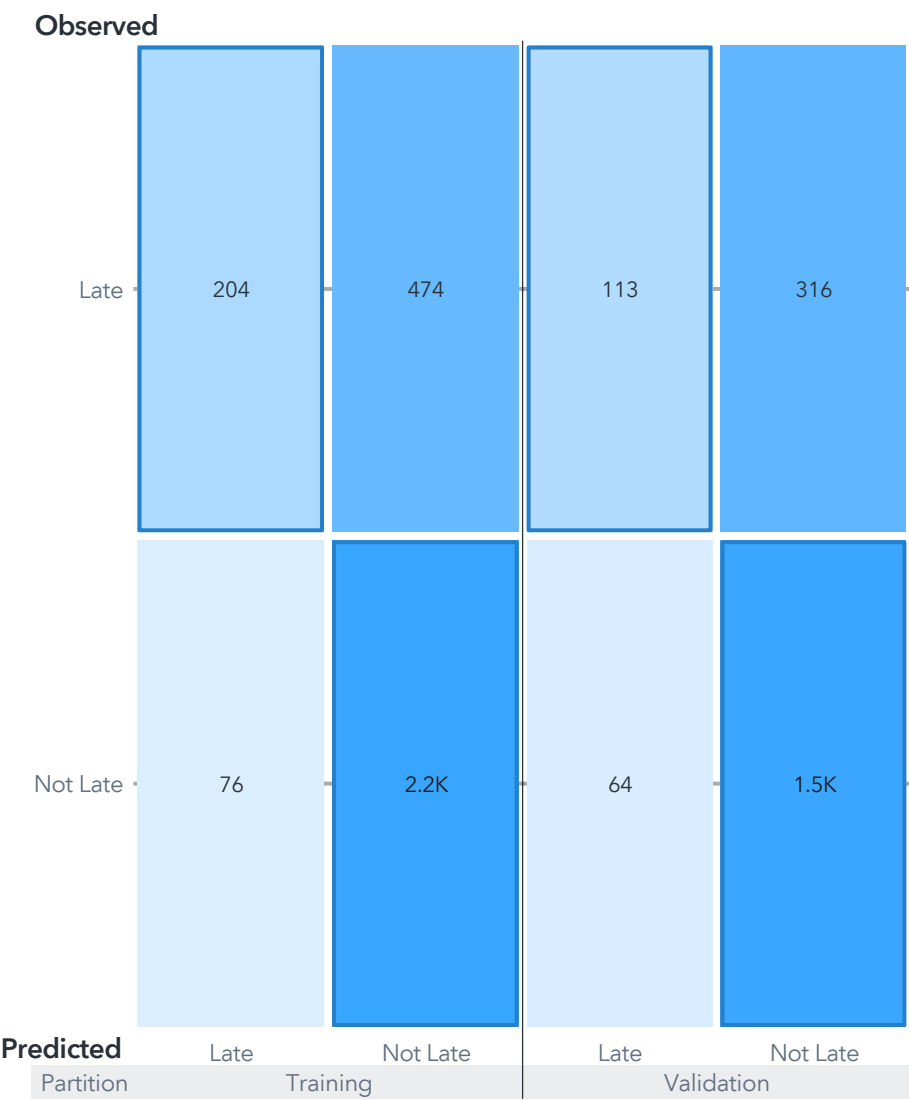
Support Vector Machine of DeliveryStatus

Event: **Not Late** Fit: **Validation Misclassification Rate (Event) 0.1910** Observations: **4.98K of 5K**

Relative Importance Plot



Confusion Matrix

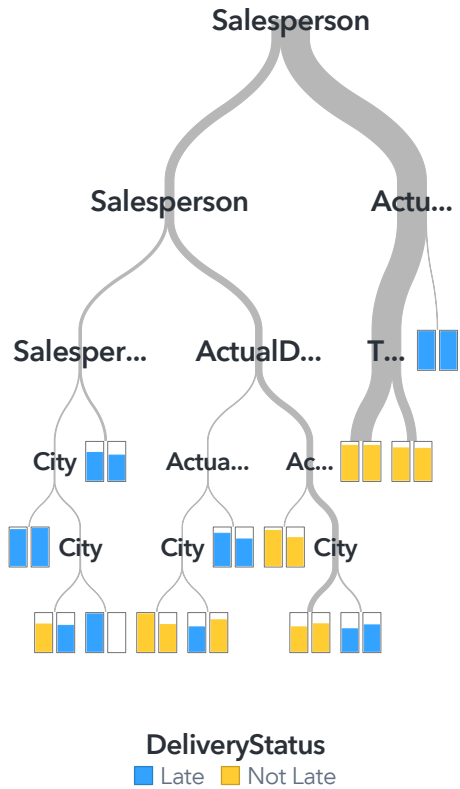


Decision Tree LoGISTECH

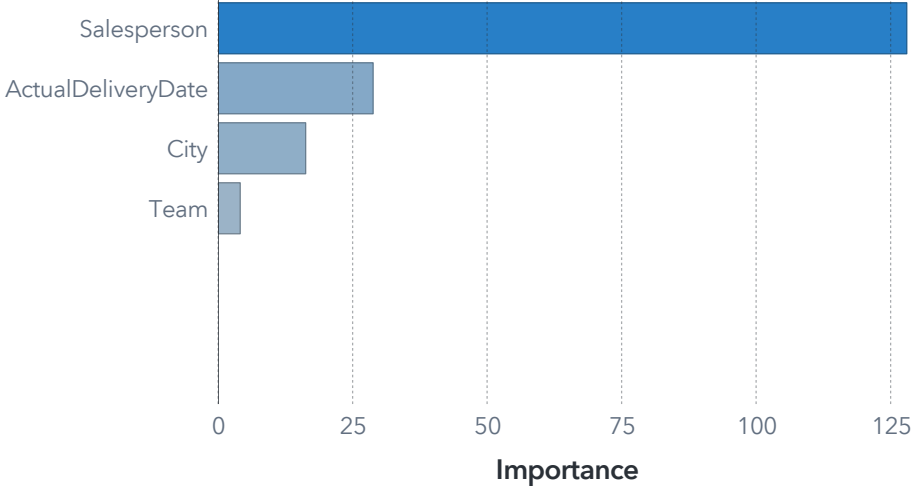
Decision Tree of DeliveryStatus

Event: **Not Late** Fit: **Validation Misclassification Rate (Event) 0.1970** Observations: **5K of 5K**

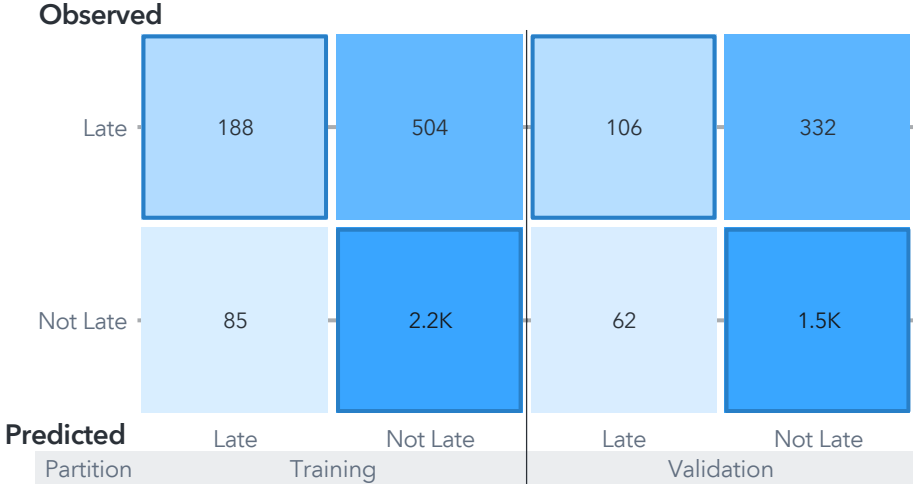
Tree



Variable Importance



Confusion Matrix

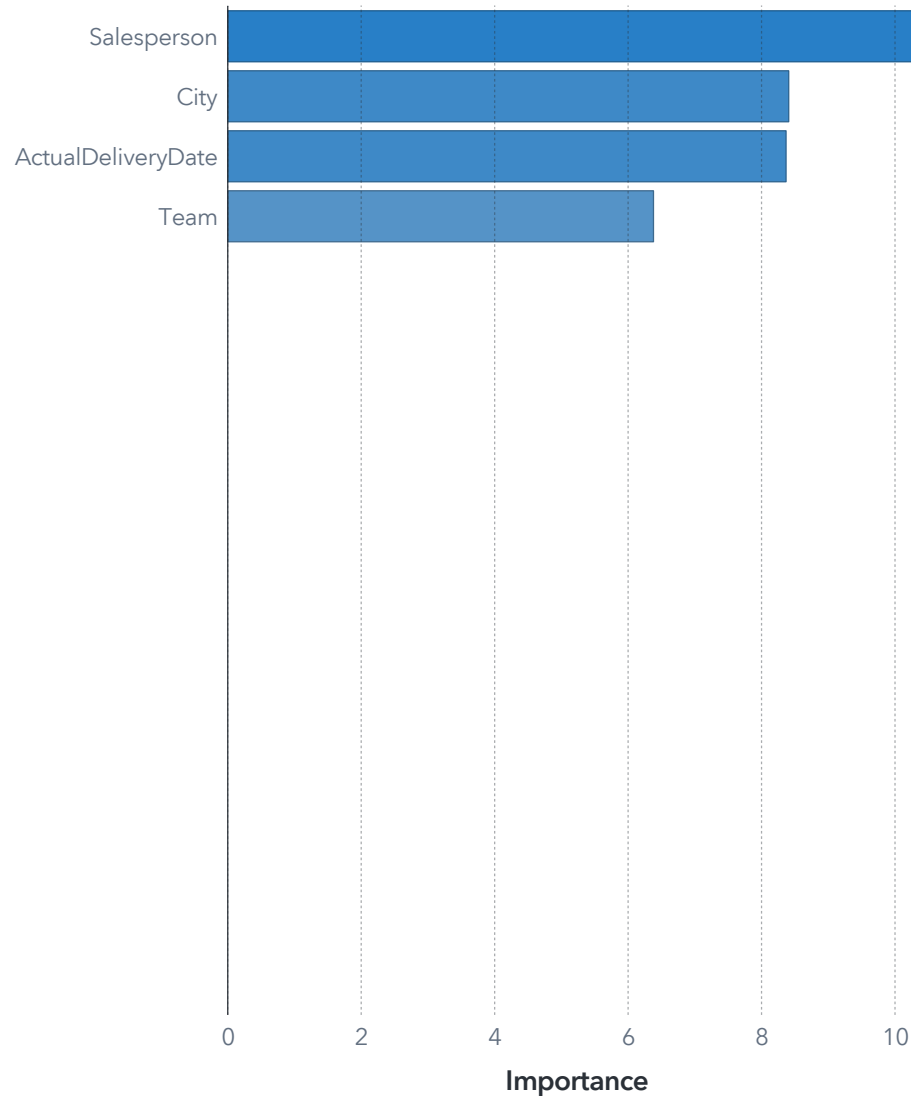


Gradient Boosting LoGISTECH

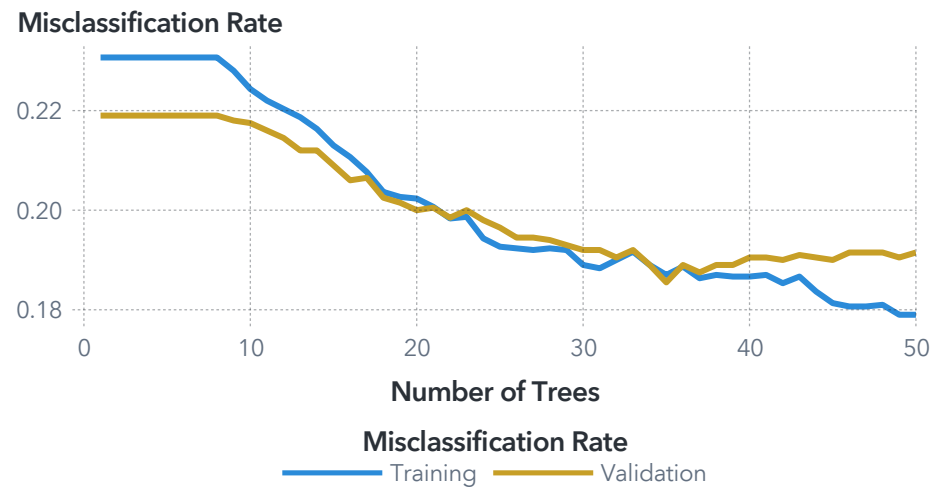
Gradient Boosting of DeliveryStatus

Event: **Not Late** Fit: **Validation Misclassification Rate (Event) 0.1915** Observations: **5K of 5K**

Variable Importance



Iteration Plot



Confusion Matrix

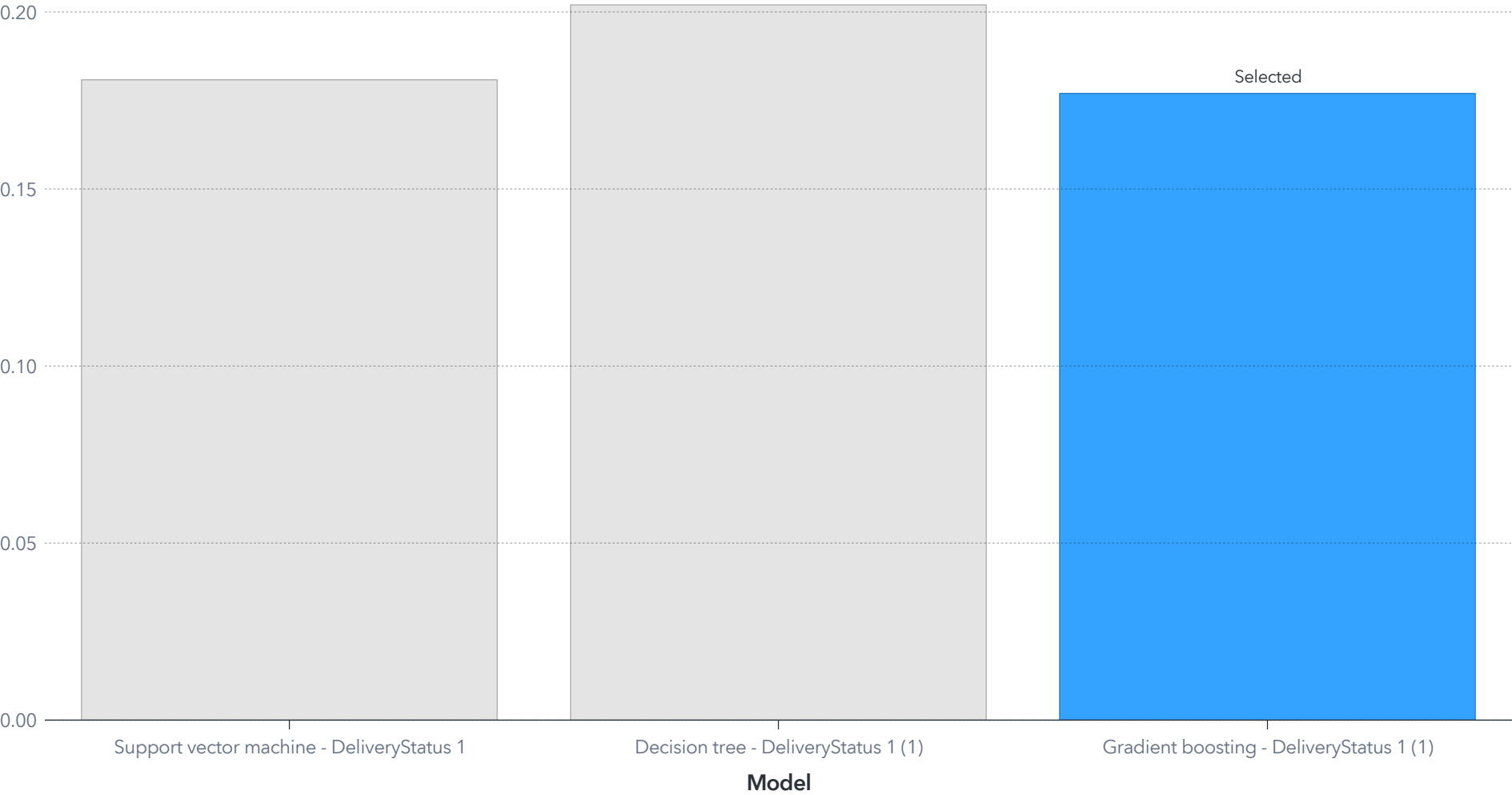
Observed					
		Training		Validation	
Late	Predicted Late	197	495	94	344
	Predicted Not Late	42	2.3K	39	1.5K
Predicted		Late	Not Late	Late	Not Late
Partition		Training		Validation	

Comparison

Model Comparison of DeliveryStatus

Event: **Not Late**

Fit Statistic
Misclassification Rate (Event)



Appendix

A1.1 Fit Statistic

Warnings: Number of observations for all models do not match.