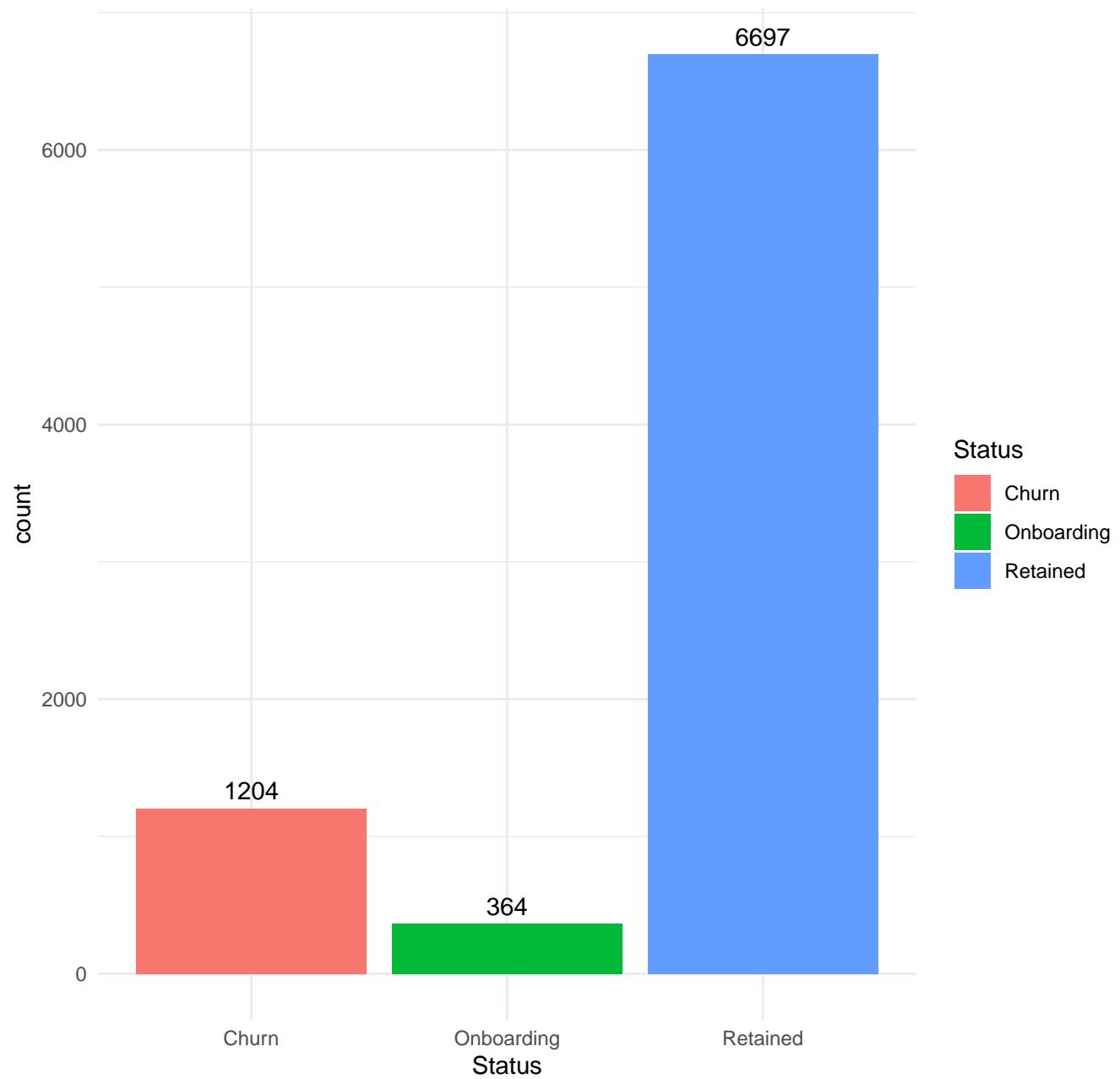
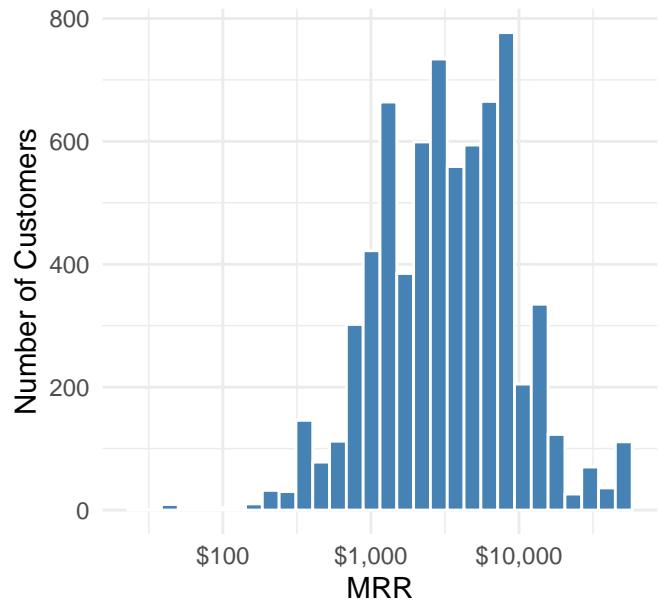
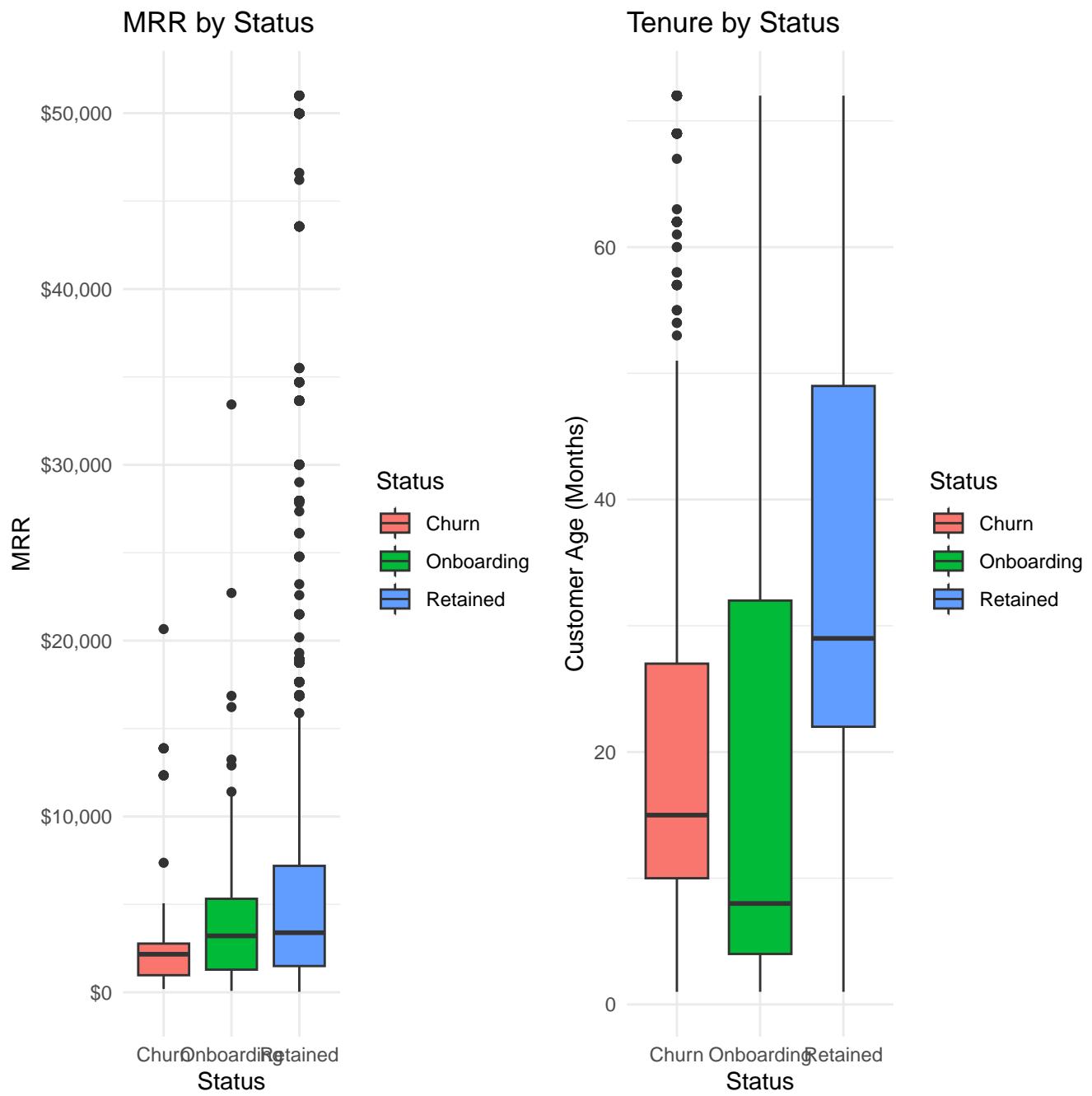


Distribution of Customer Status

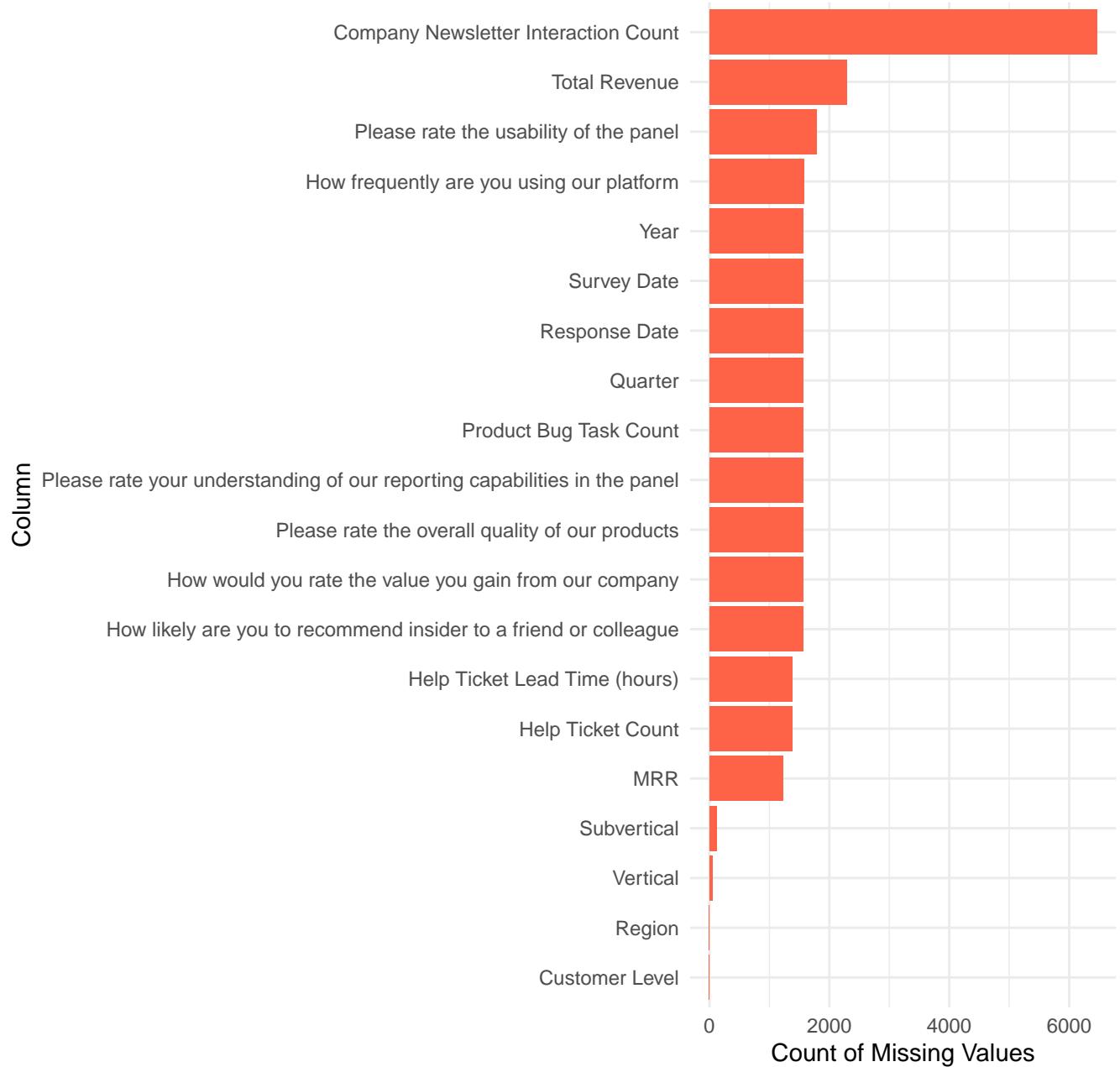


Monthly Recurring Revenue (MRR)

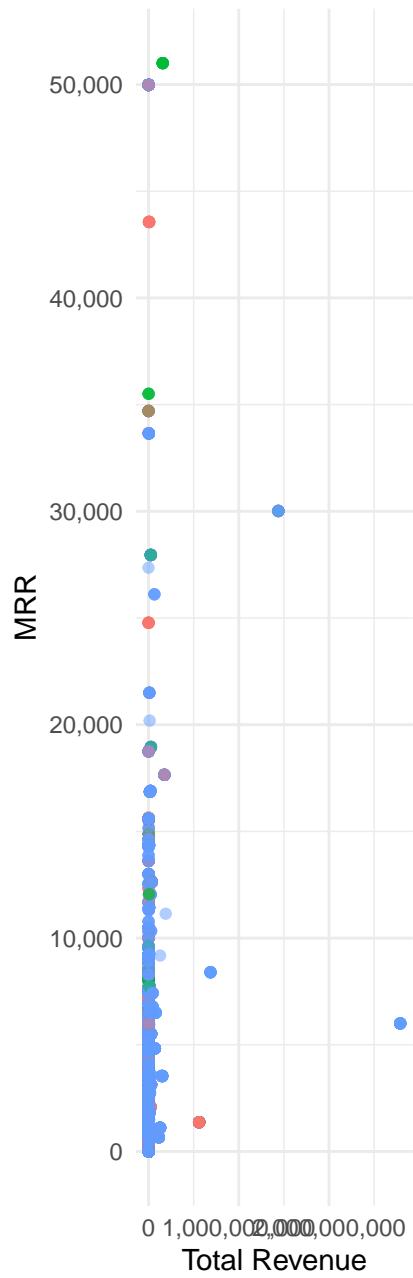




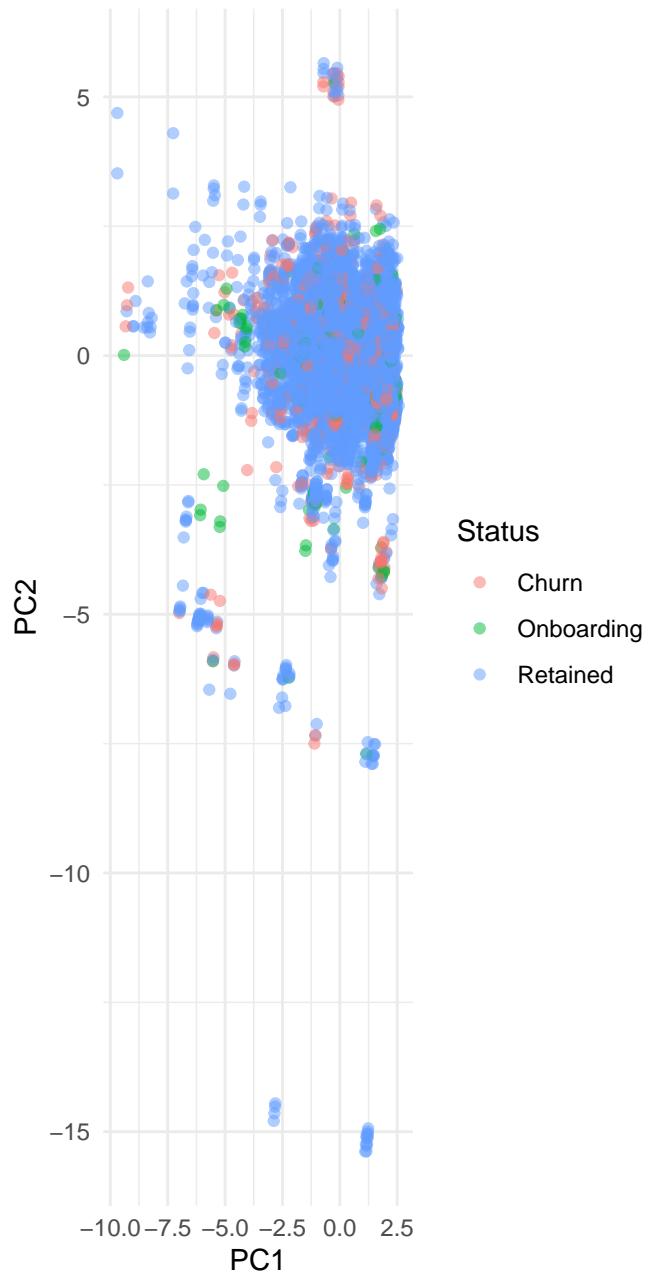
Missing Values Count by Column



Before PCA: Raw Features



After PCA: Principal Components



Status

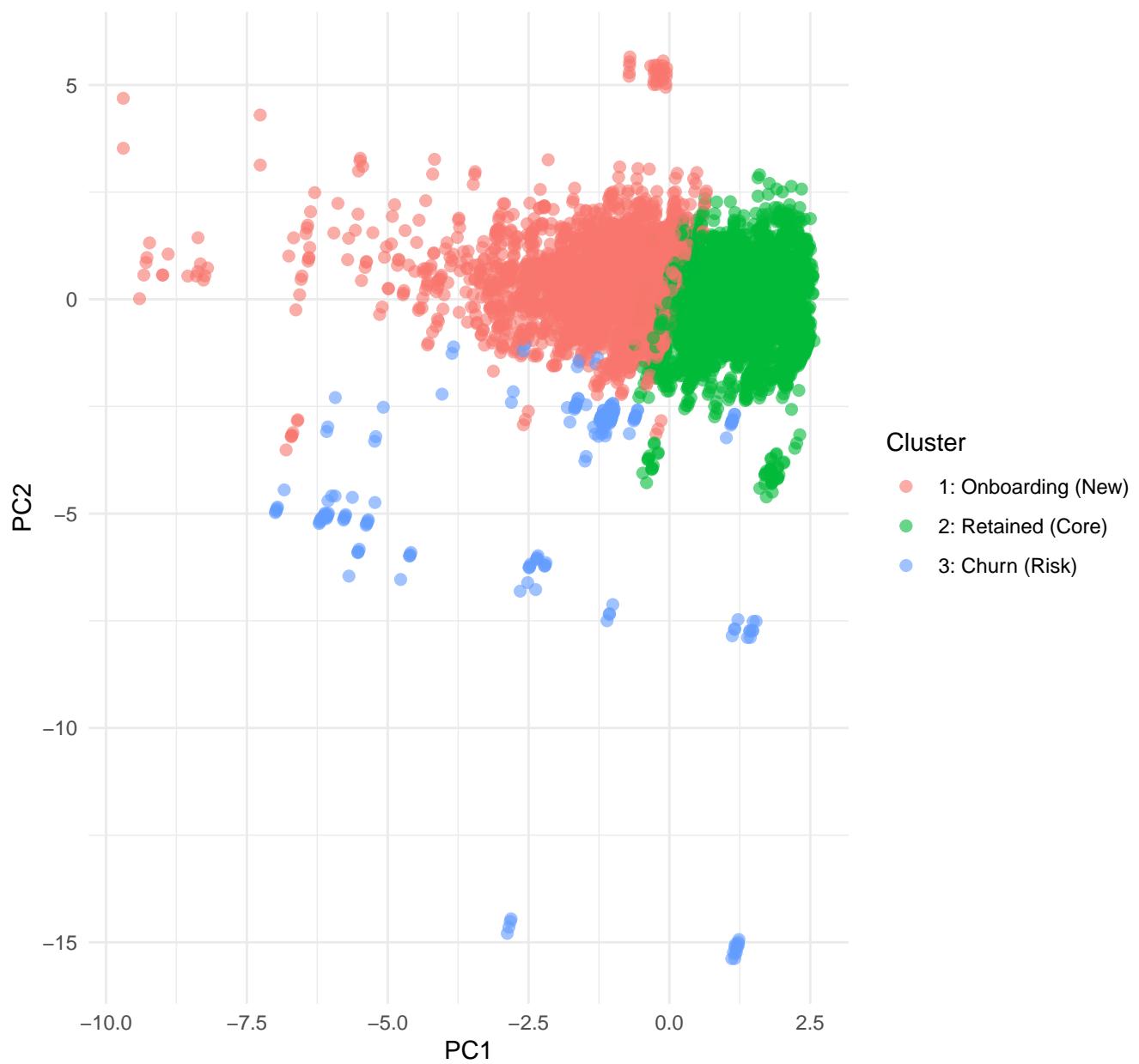
- Churn
- Onboarding
- Retained

Status

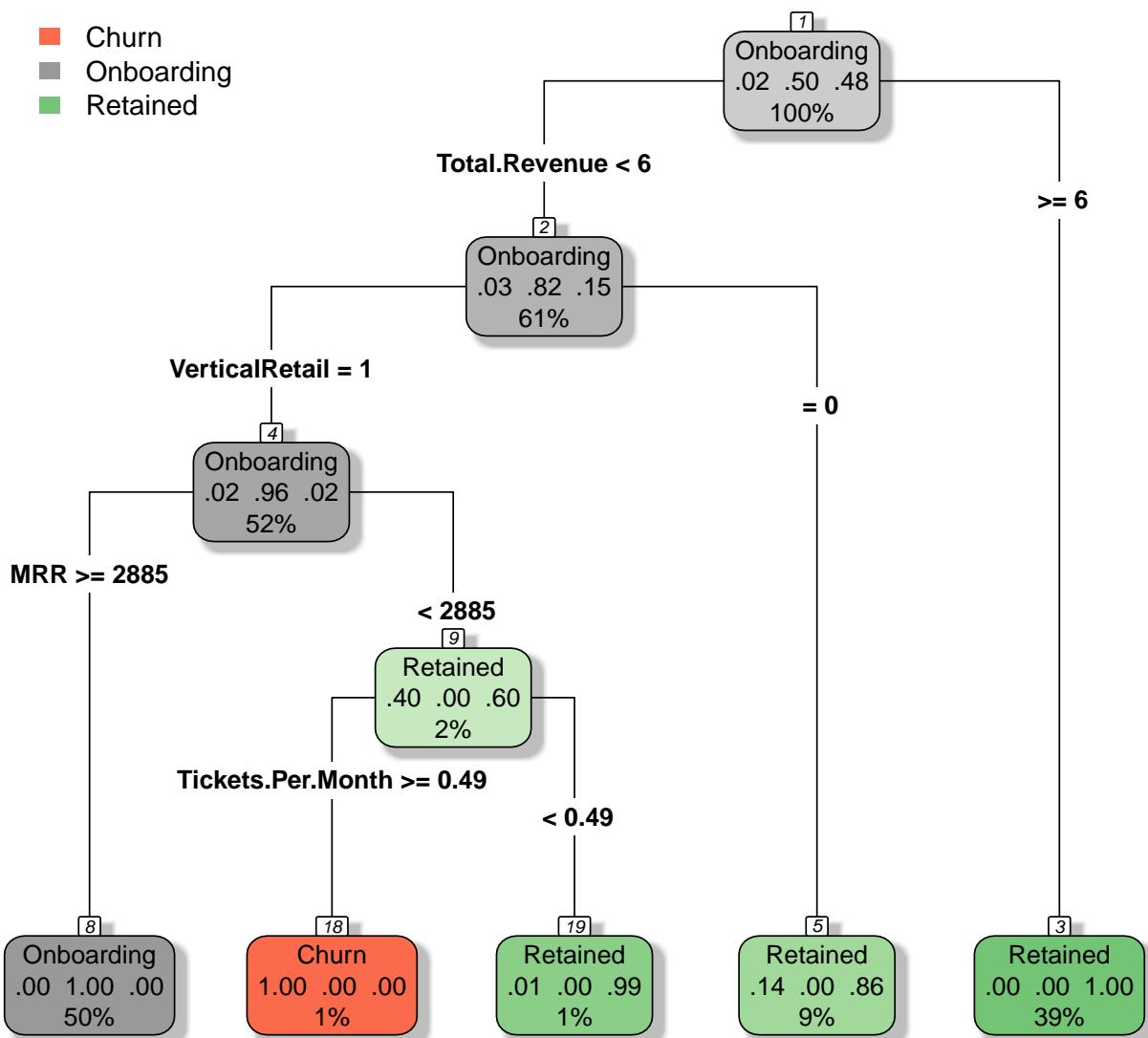
- Churn
- Onboarding
- Retained

Customer Segments (k-Means)

Visualized on first 2 Principal Components

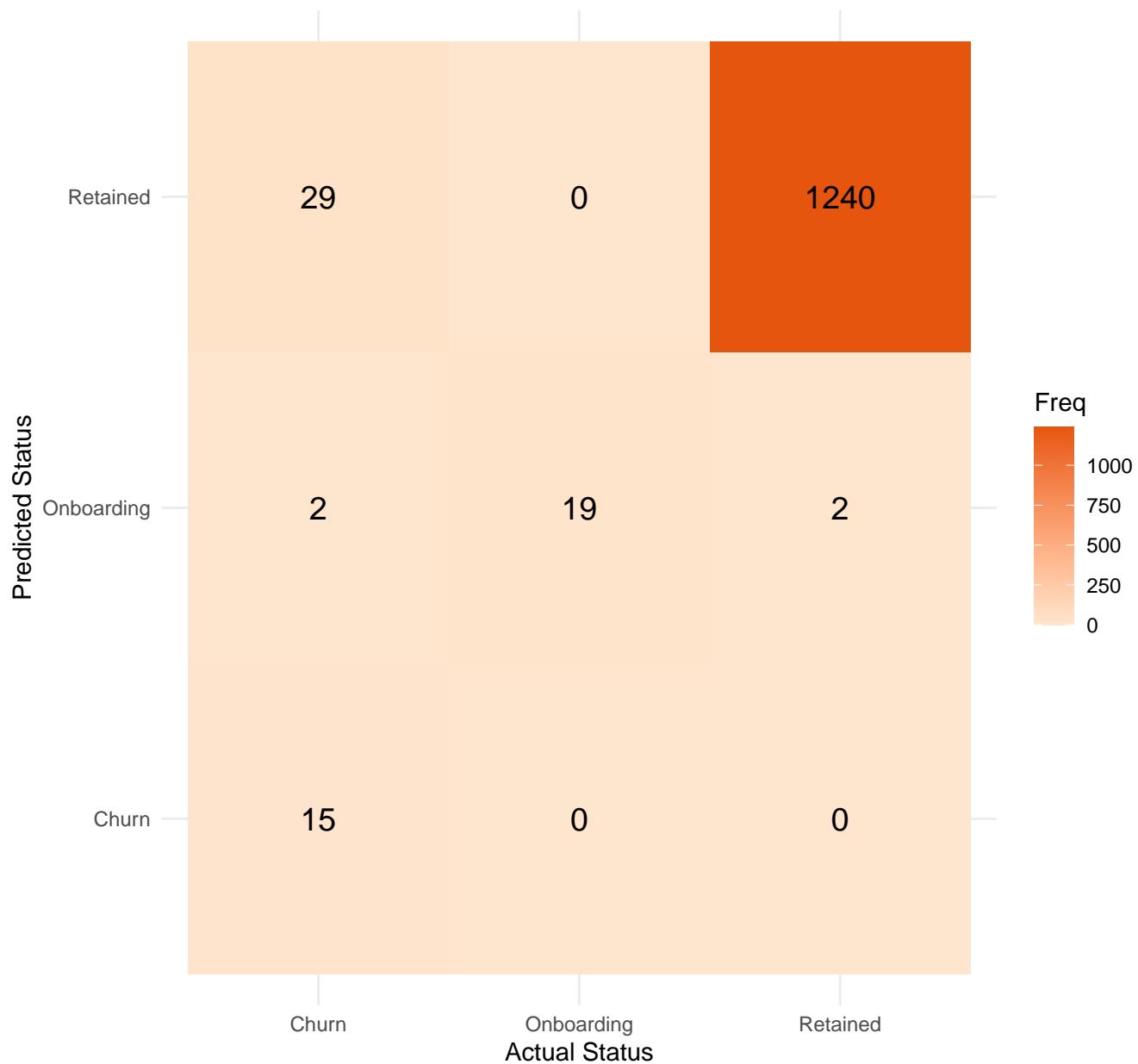


Decision Tree Rules (Pruned)



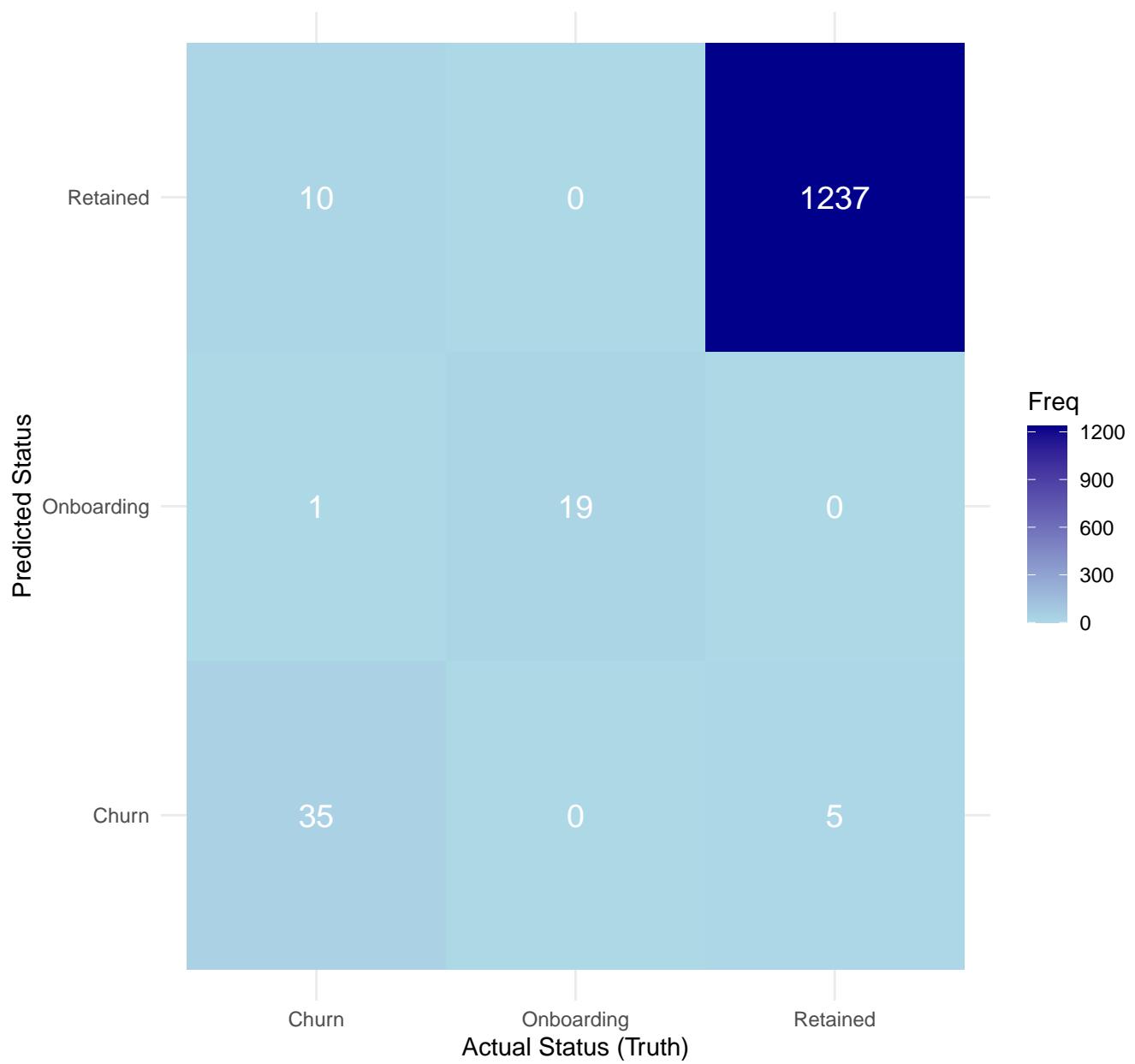
Decision Tree Performance: Confusion Matrix

Prediction Accuracy Heatmap



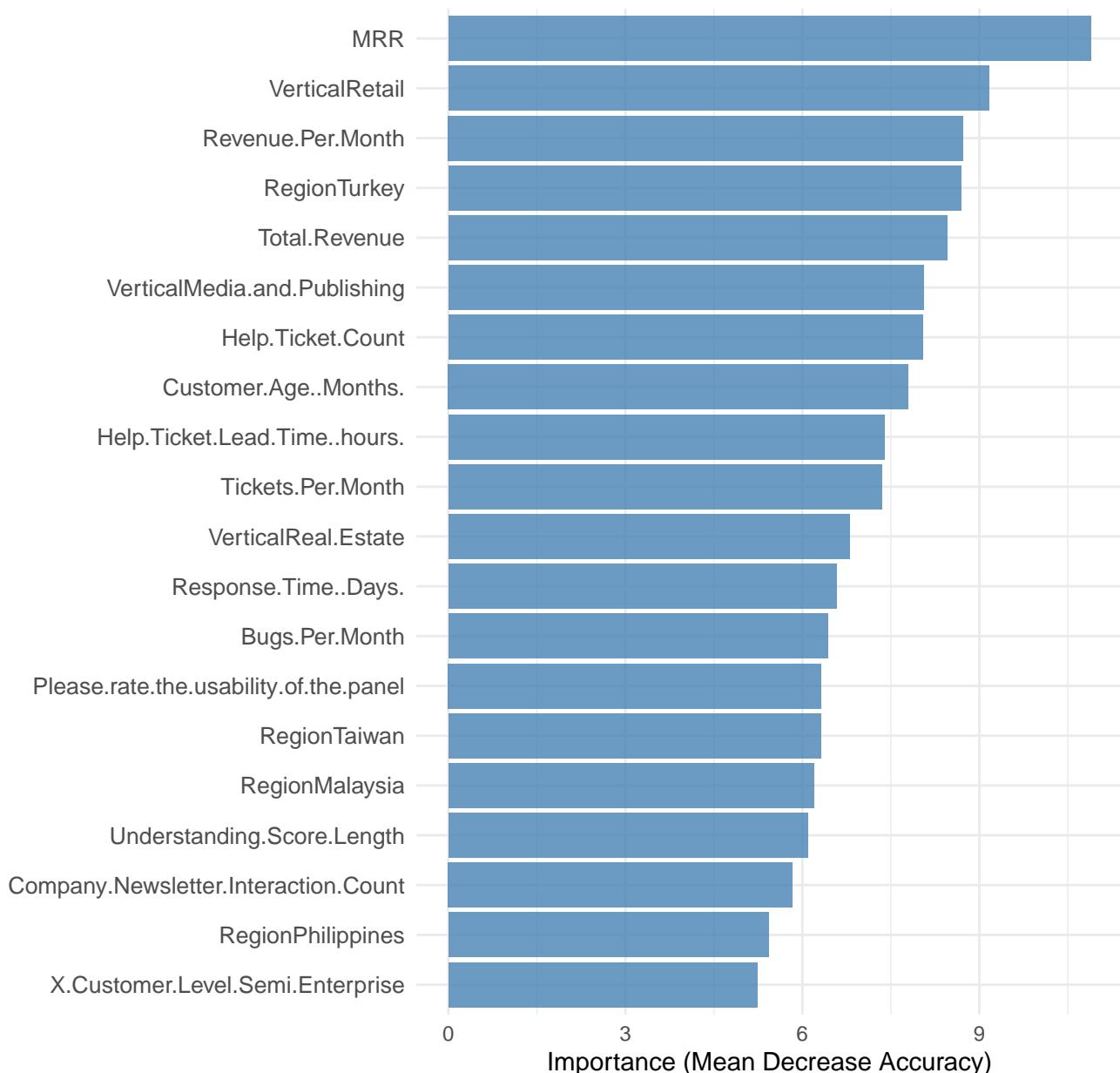
Model 2 Performance: Confusion Matrix

Darker squares = More predictions. Diagonal = Correct.



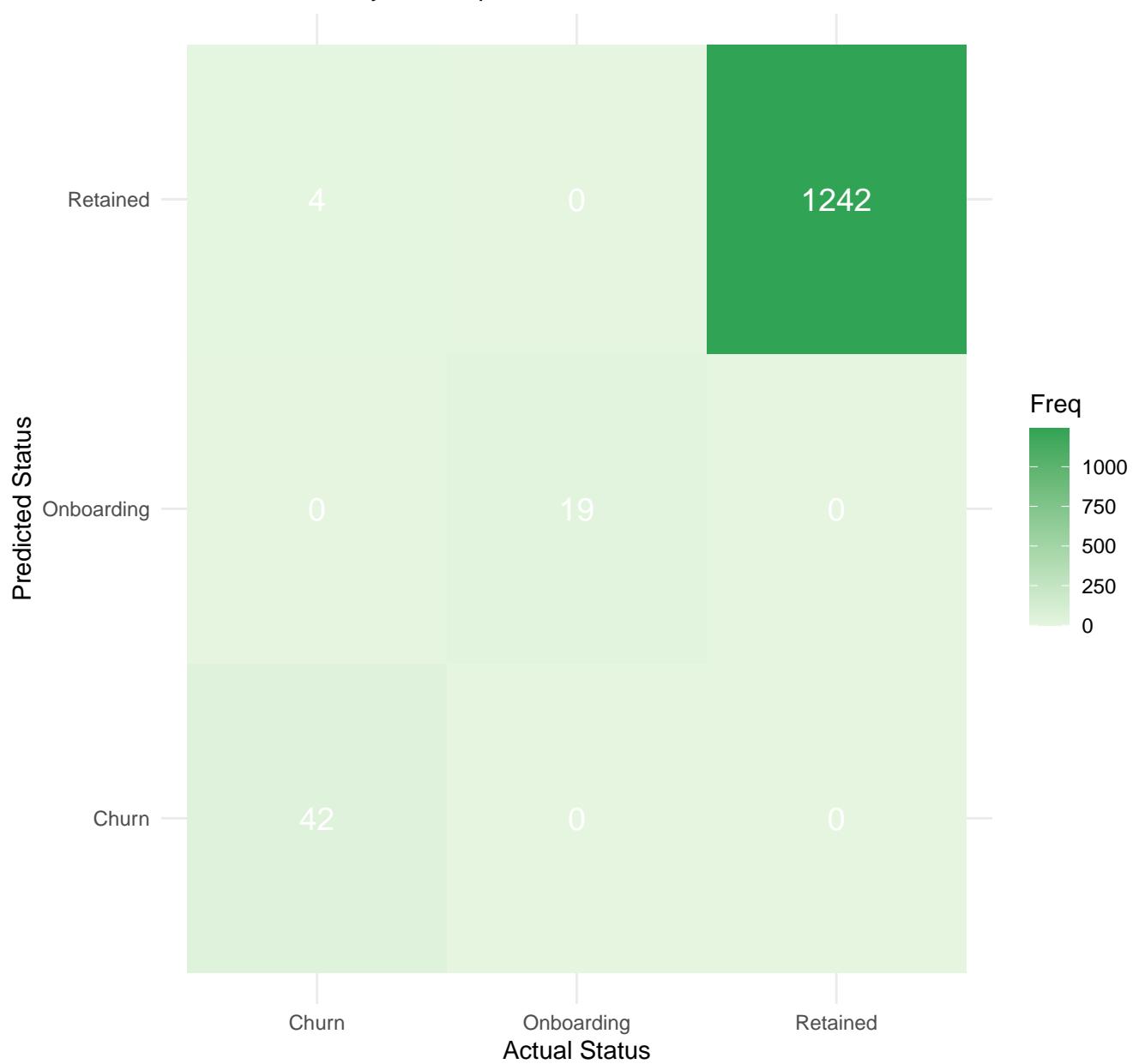
Random Forest: Top 20 Key Drivers

Features with highest impact on model accuracy



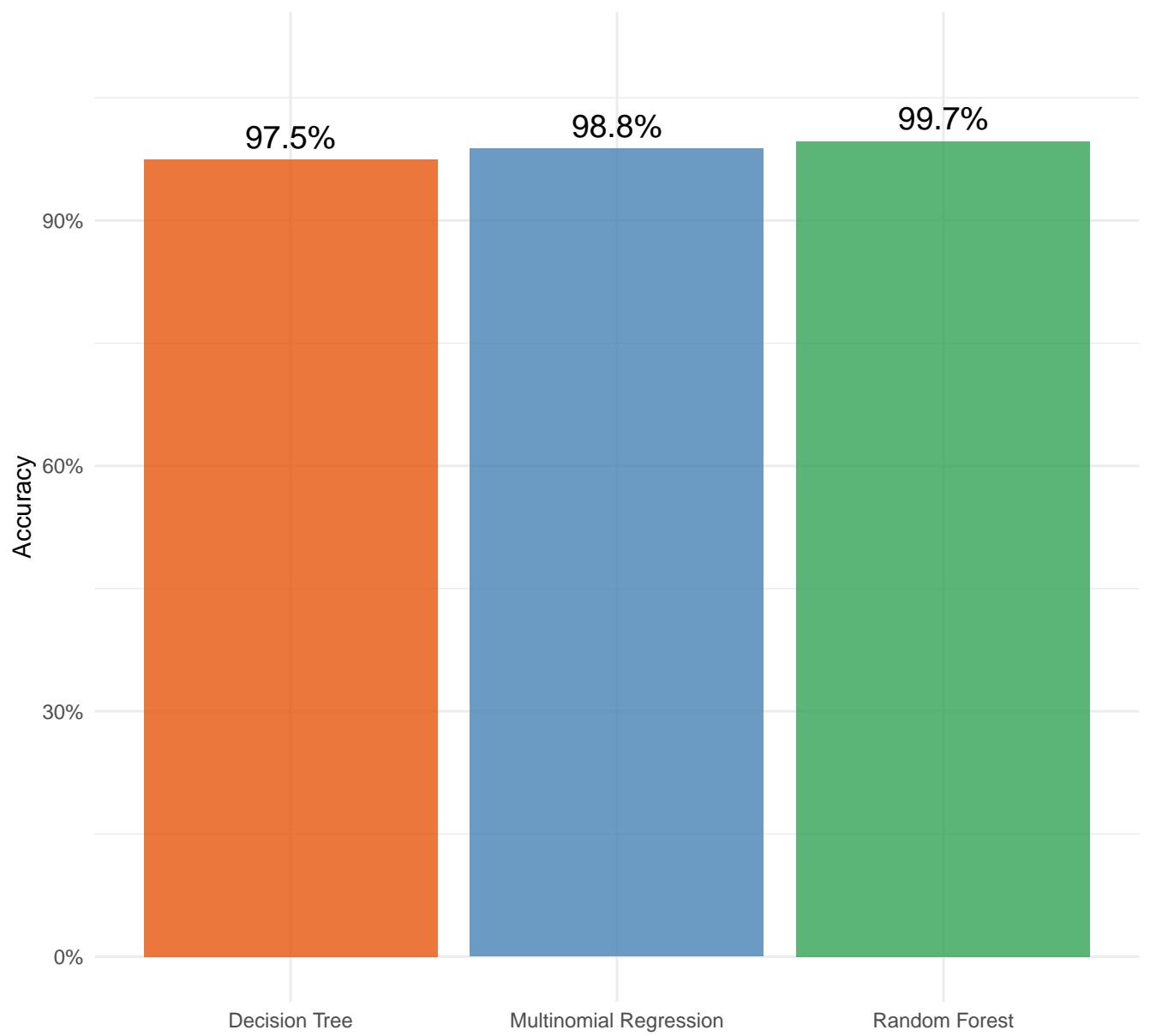
Random Forest Performance: Confusion Matrix

Prediction Accuracy Heatmap



Final Model Showdown

Accuracy on Validation Set (Higher is Better)



Forecast: Predicted Status for New Customers

Based on Random Forest Model

