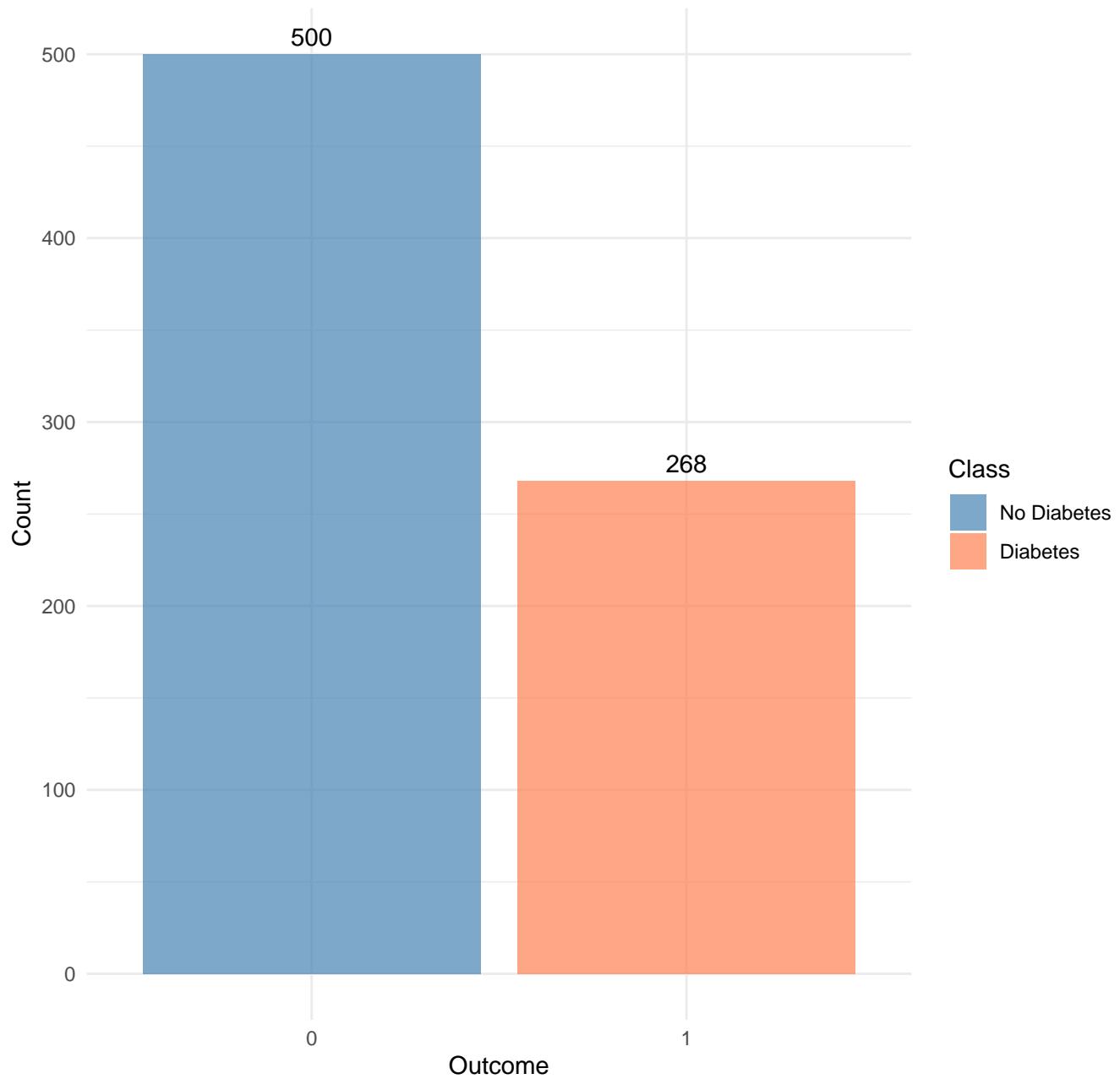
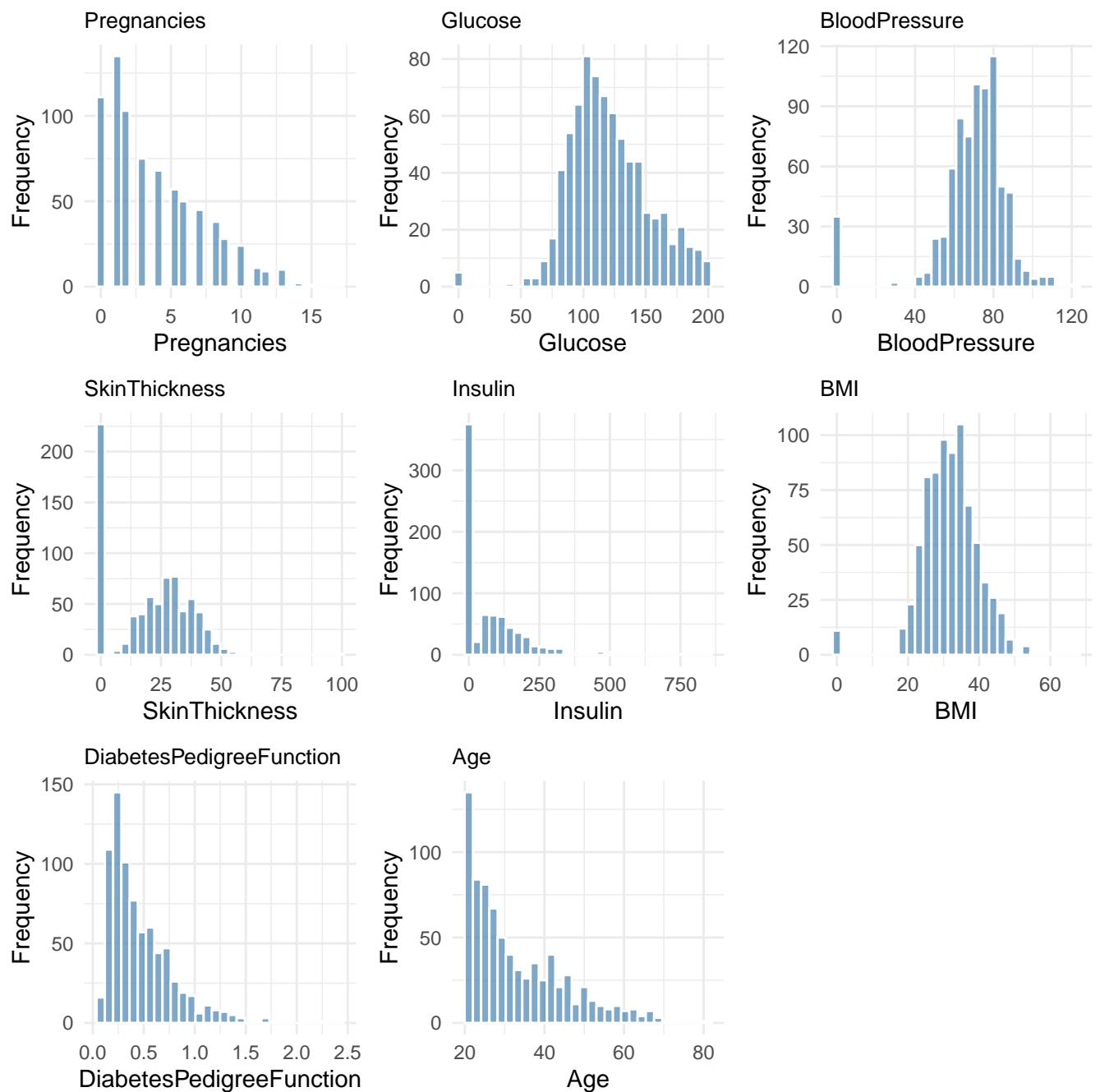
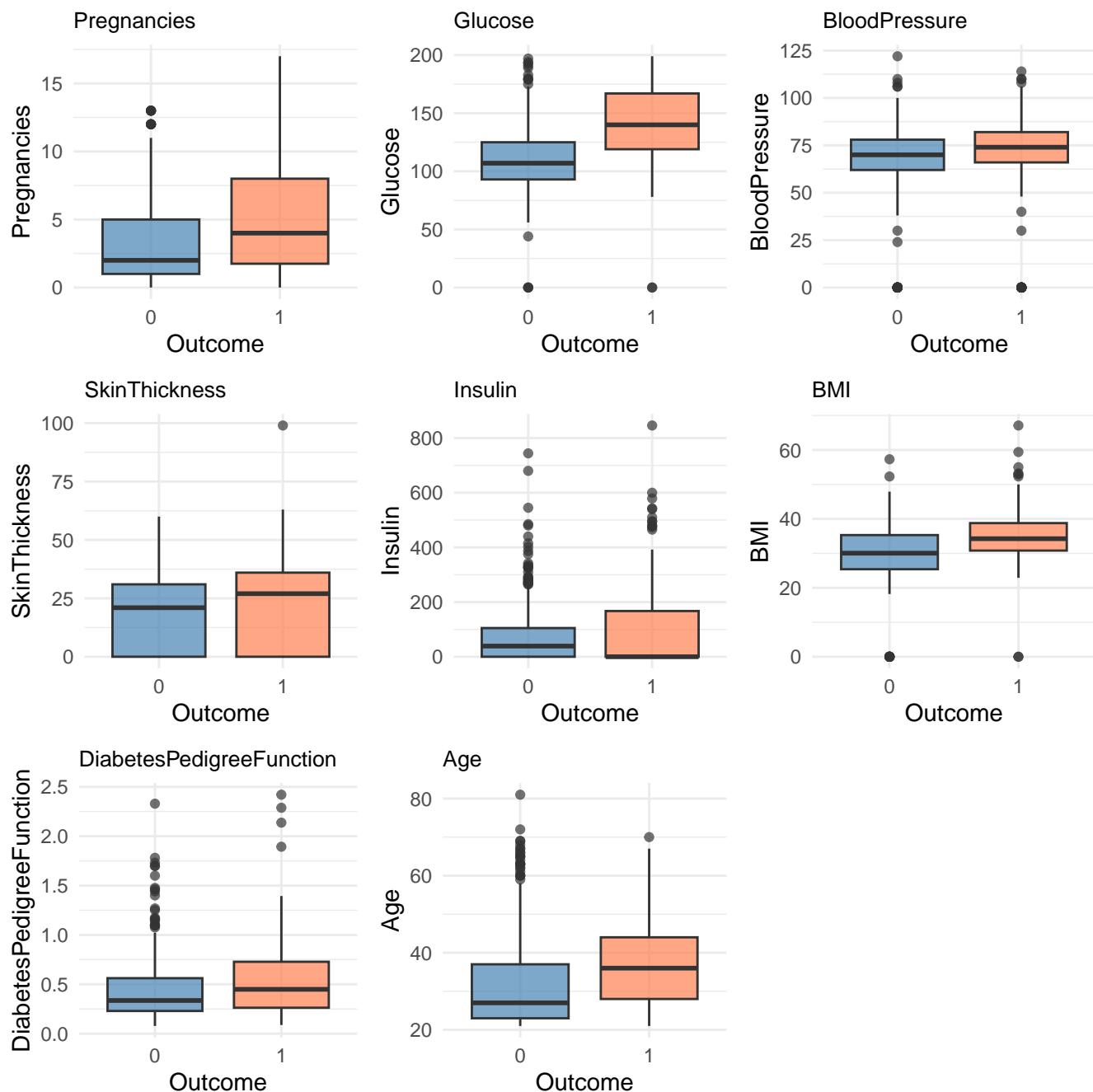


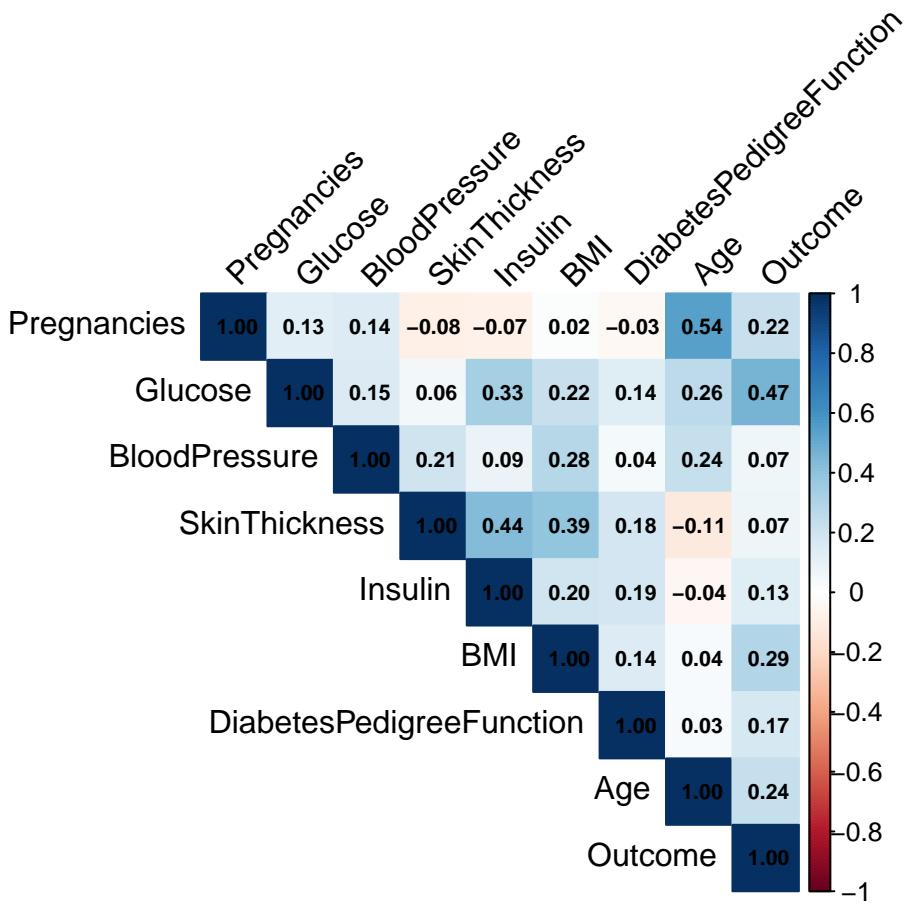
Distribution of Diabetes Outcome



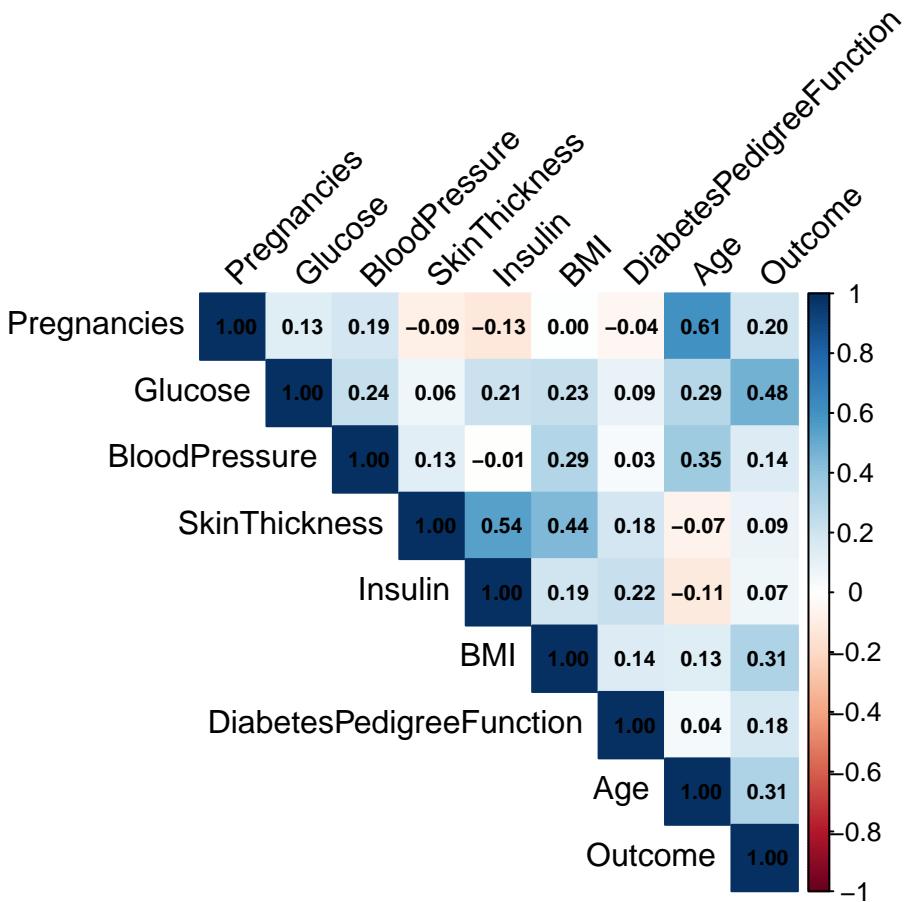




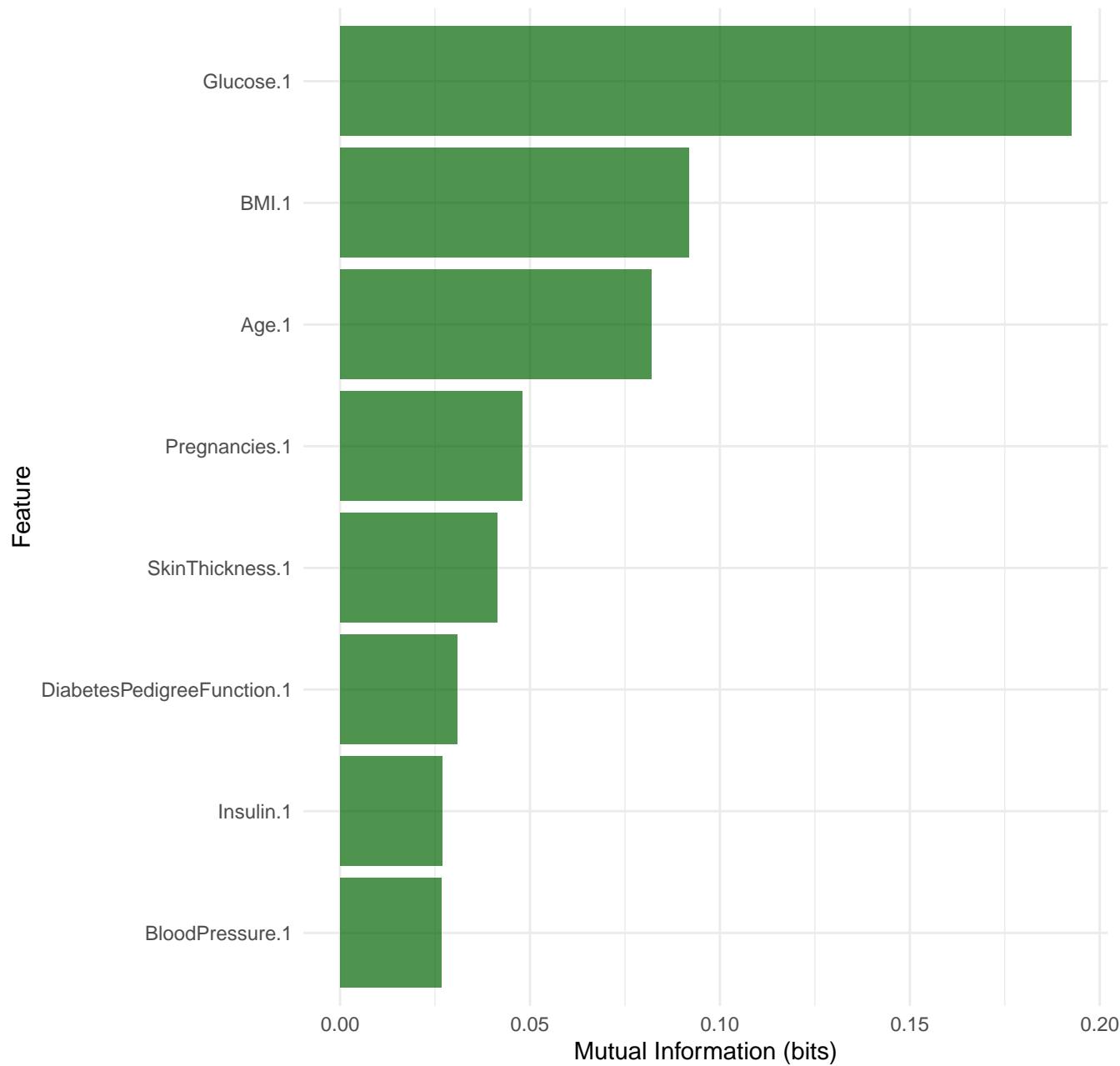
Linear Correlation Matrix (Pearson)

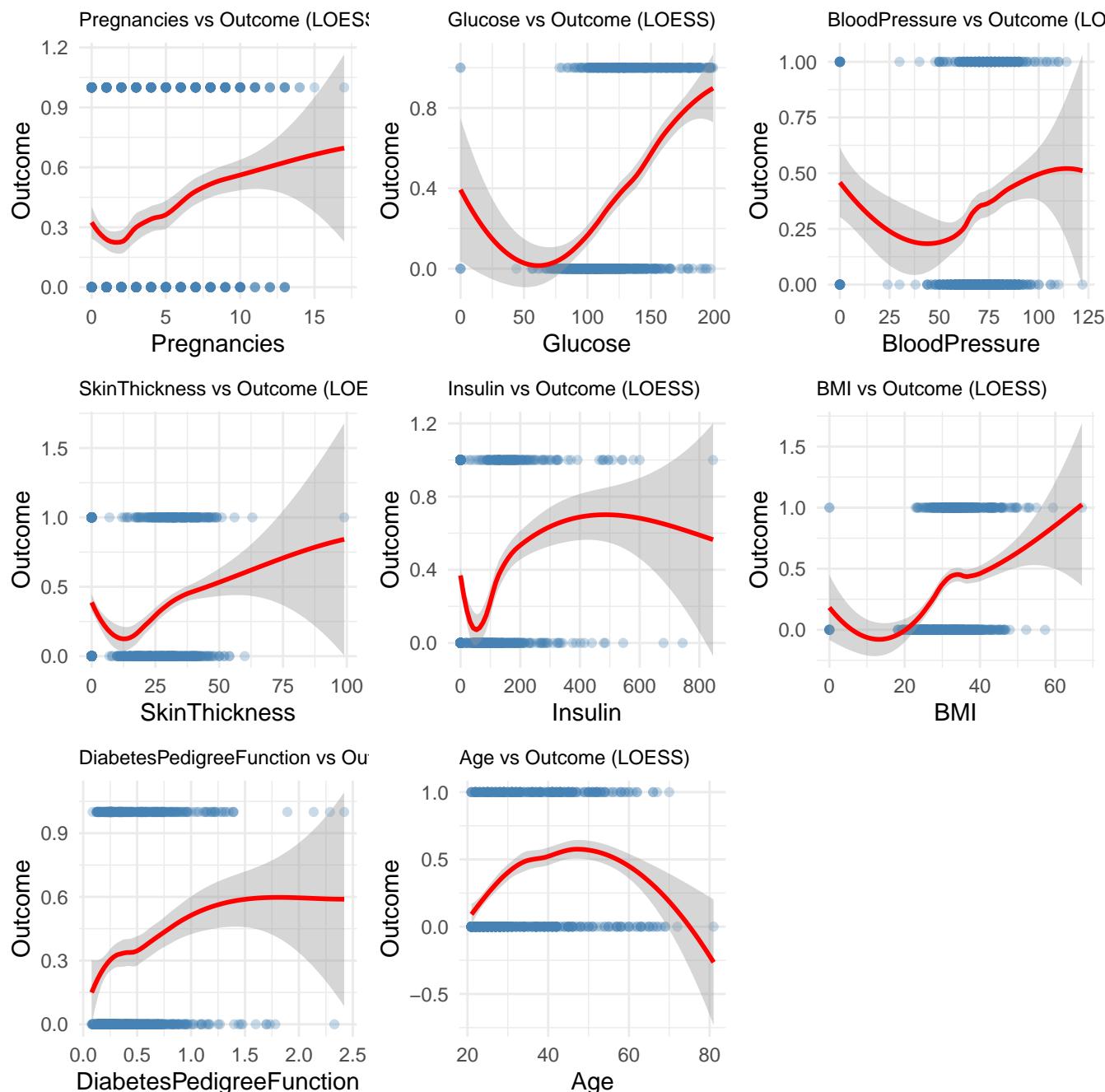


Non-Linear Correlation Matrix (Spearman)

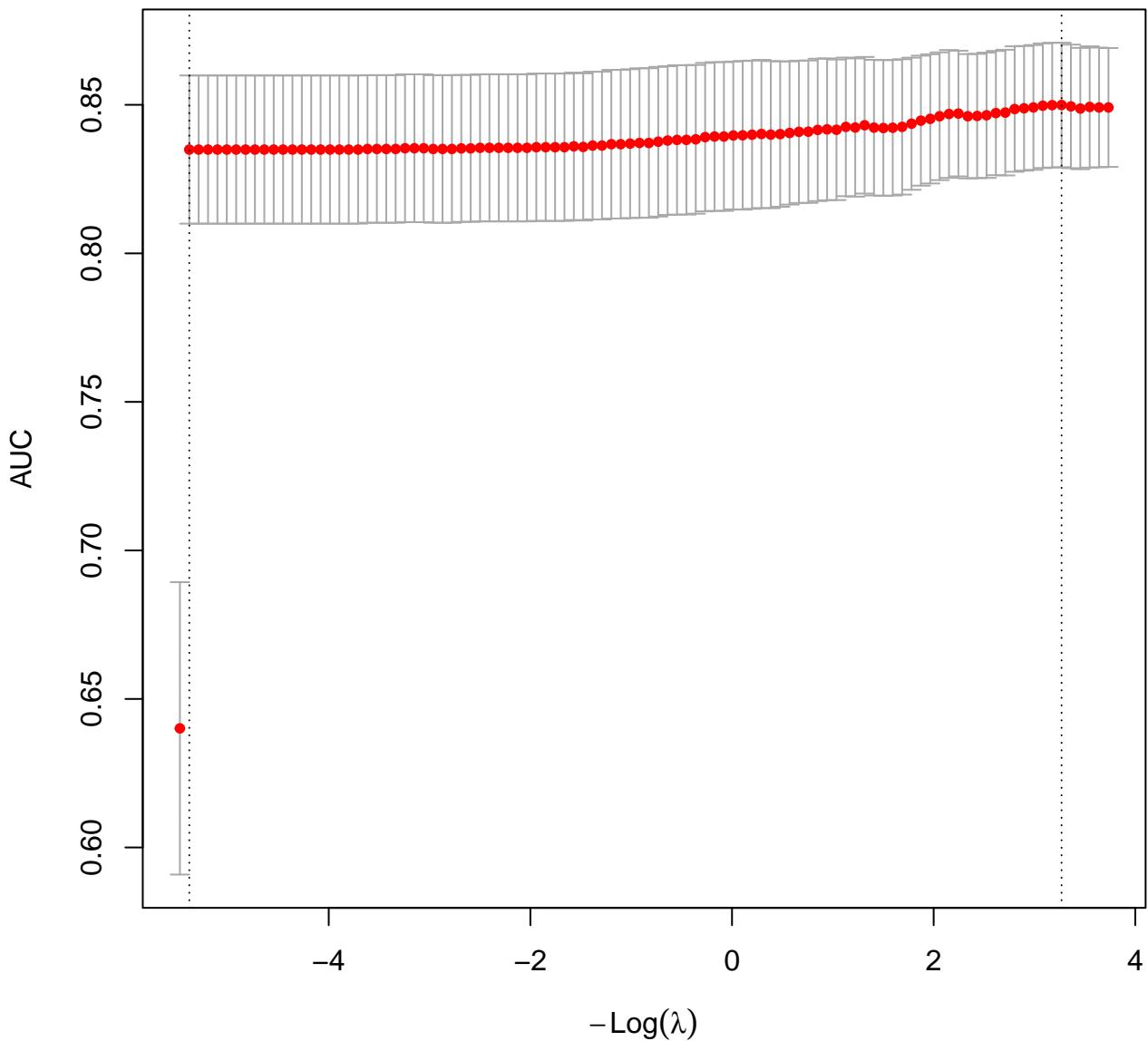


Mutual Information with Outcome (Non–Linear Dependency)

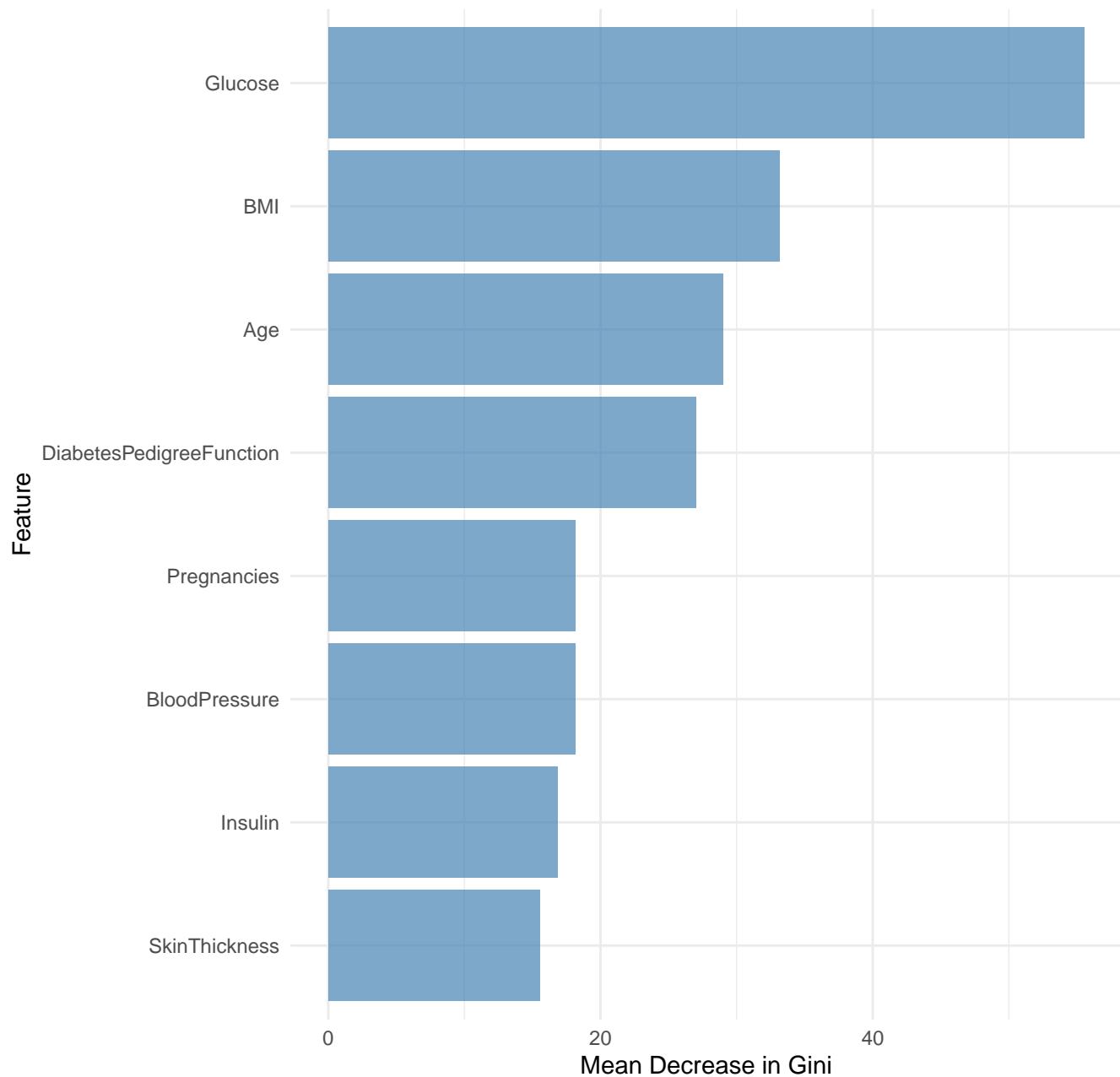




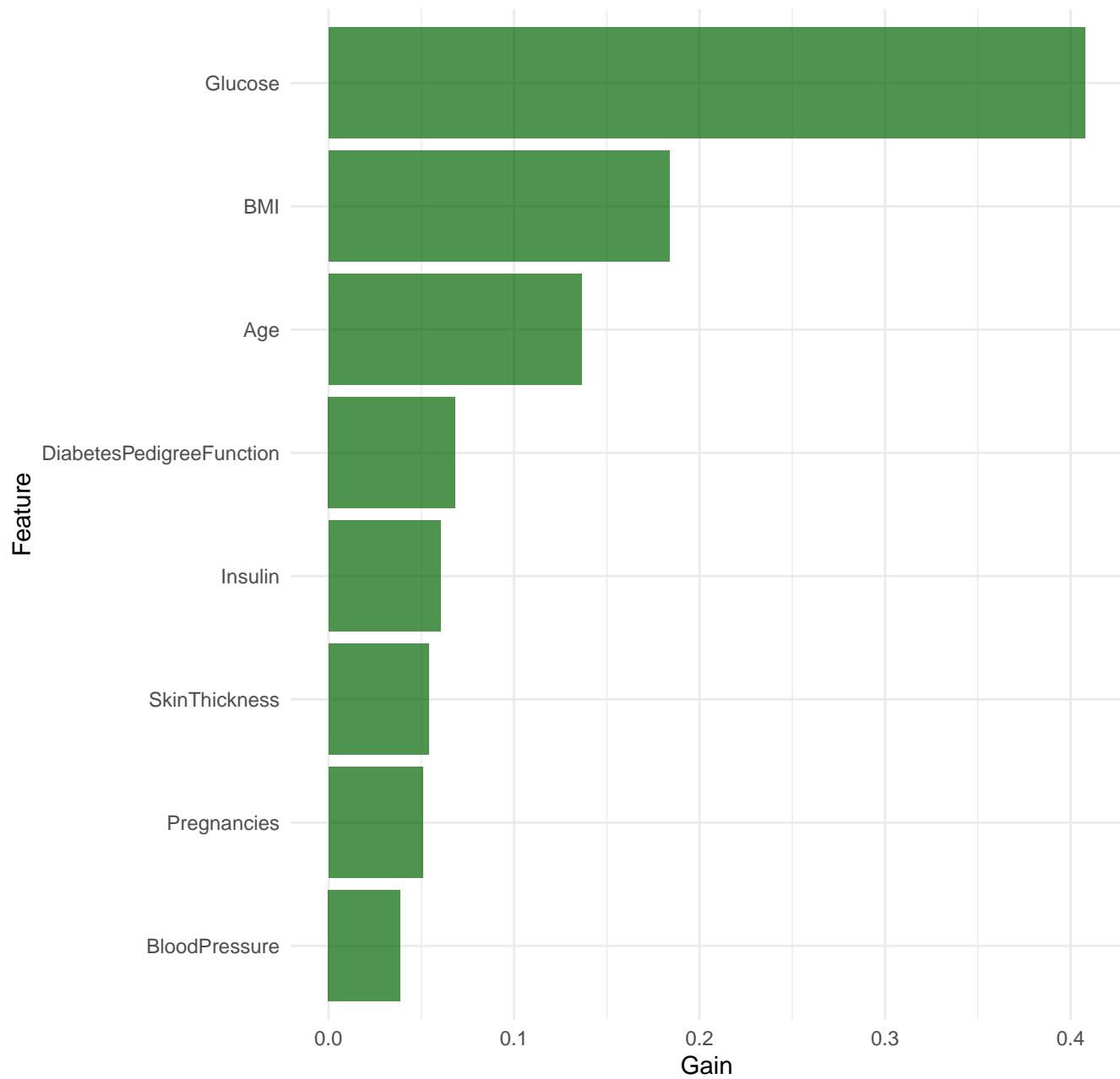
Logistic Regression – Cross-Validation



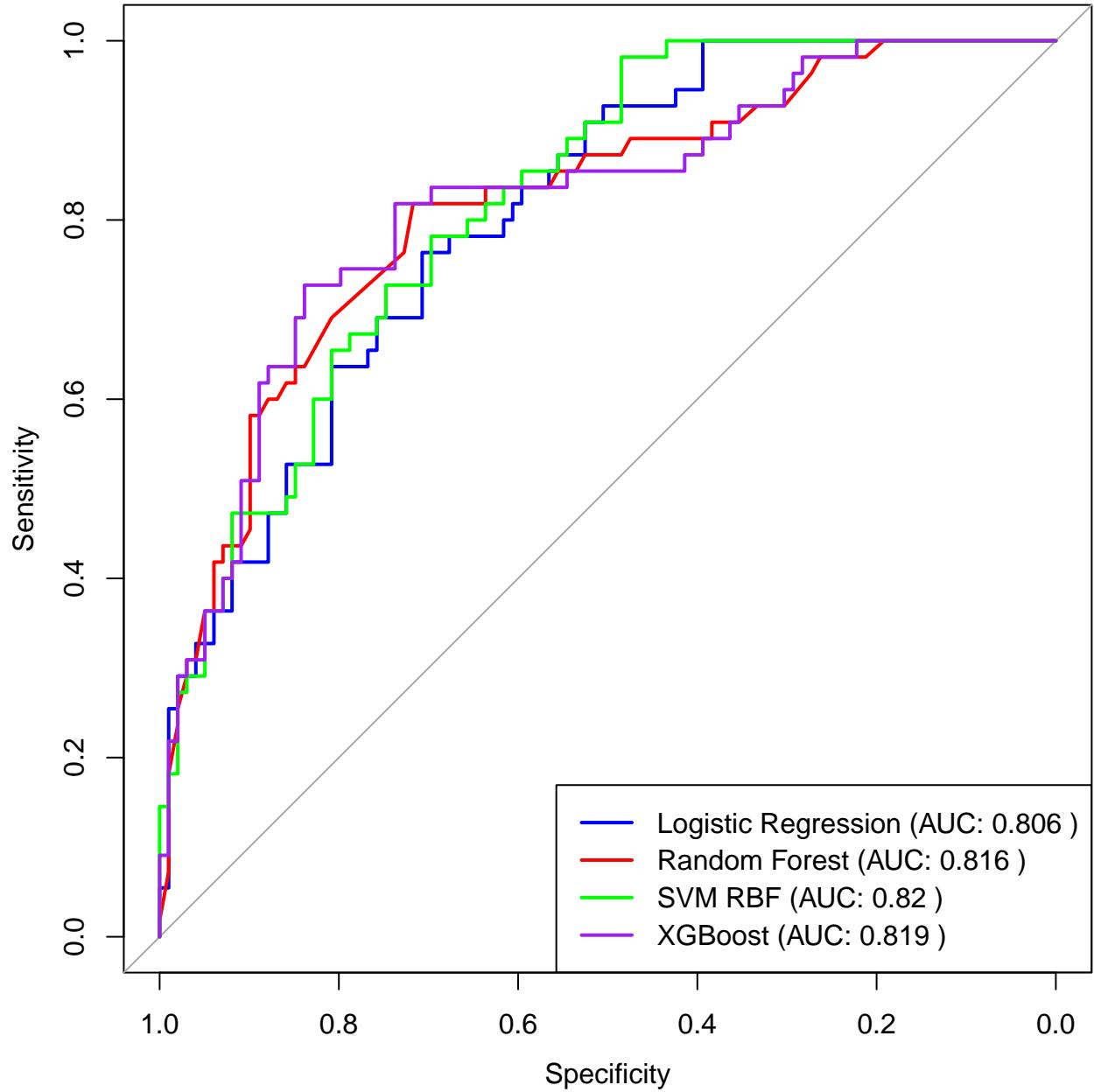
Random Forest – Feature Importance



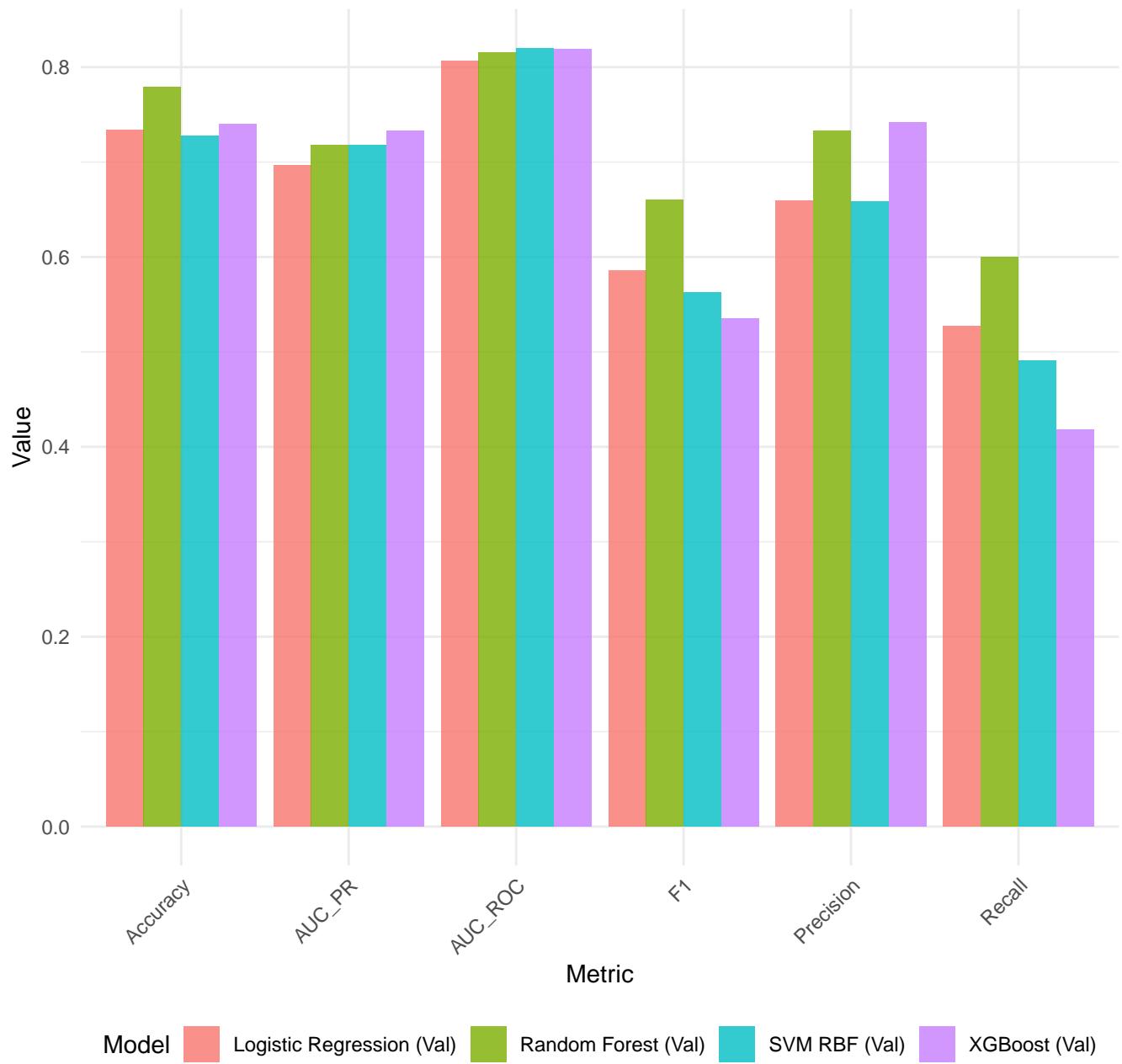
XGBoost – Feature Importance (Gain)



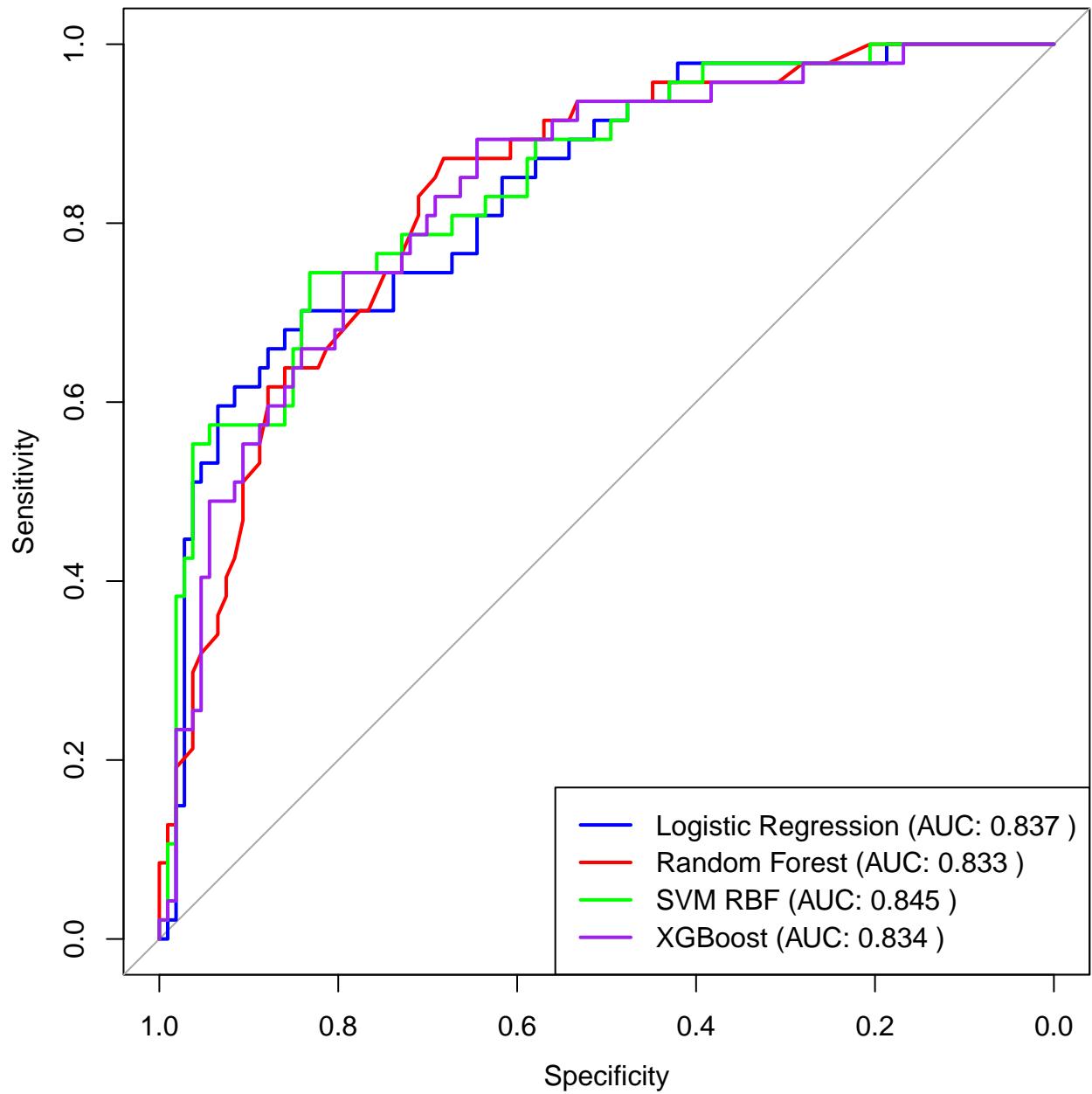
ROC Curves – Validation Set



Model Comparison on Validation Set



ROC Curves – Test Set



Final Model Comparison (Test Set)

