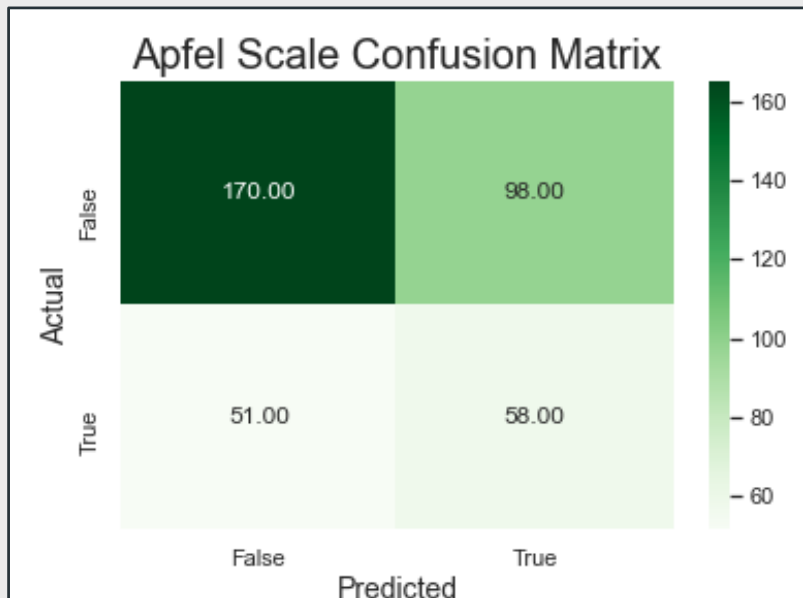
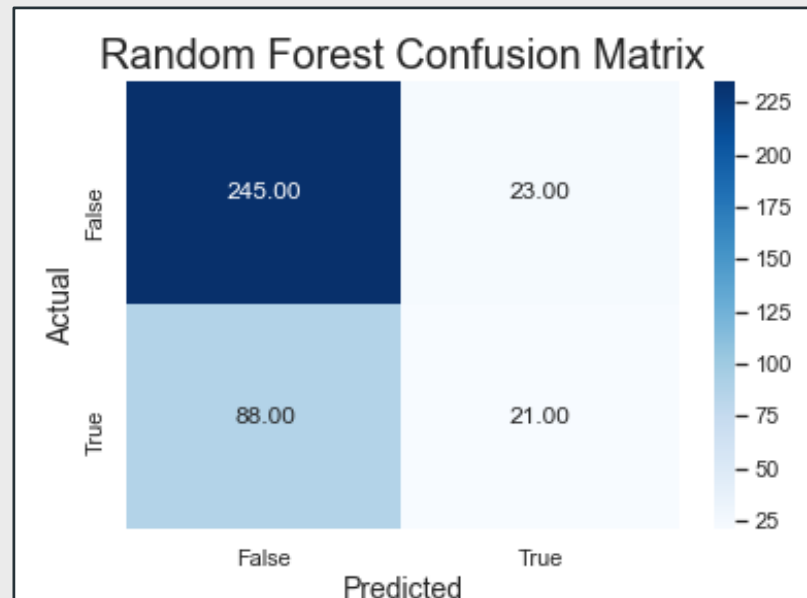


POST OPERATIVE NAUSEA AND VOMITING (PONV)



Apfel Metrics

Accuracy	60.4%
Precision	37.2%
Recall	53.2%



RFC Metrics

Accuracy	70.6%
Precision	47.8%
Recall	19.3%

PROBLEM

- Better equipping doctors with information to proactively treat nausea after surgeries
- Better setting patient's expectations of outcome at surgery and consequently, enhancing patient satisfaction

PROGRESS

- 30.5% of sample patients experienced PONV
- Created baseline model to compare performance to current model used in healthcare

NEXT STEPS

- Try other models (Logistic and Naïve Bayes)
- Additional feature engineering
- Improve recall score
- Acquire data for average surgery times