

# Kaggle Scores

- XGBoost with Optuna:  
ROC-AUC: 0.5750  
Accuracy: 0.6358
- XGBoost
  - AUC: 0.5376
  - Accuracy: 0.6033
- Random Forest
  - AUC: 0.5482
  - Accuracy: 0.6291
- Frankenboost
  - AUC: 0.5701
  - Accuracy: 0.6358
- Frankenboost with hyperparameter tuning
  - AUC: 0.5744
  - Accuracy: 0.6356
- Frankenboost - optuna, pca
  - AUC: 0.5501
  - 0.6356
- XGBoost - optuna, pca
  - Exactly the same as frankenboost with optuna, pca
- XGBoost with optuna, kmeans
  - AUC: 0.5727
  - Accuracy: 0.6363

- XGBoost with optuna,kmeans,lda
  - Mean ROC AUC Score: 0.5740 (Std: 0.0116)  
Mean Accuracy: 0.6365 (Std: 0.0015)
- XGBoost with optuna,lda
  - Mean ROC AUC Score: 0.5718 (Std: 0.0117)  
Mean Accuracy: 0.6358 (Std: 0.0014)