NCAA Basketball Game Prediction

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Models

My Models

- With Stacked Models

    - Able to predict the outcome of a NCAA basketball game outcome with an accuracy of 76%

    - Fairly average at predicting winning and losing

Stacked Model Summary

ROC Curve Accuracy: 0.76

ROC curve & AUC

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Accuracy:  0.7592824363788069
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Confusion Matrix:
 [[3614 1156]
 [1152 3666]]
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Classification Report:
               precision    recall  f1-score   support

           0       0.76      0.76      0.76      4770
           1       0.76      0.76      0.76      4818

    accuracy                           0.76      9588
   macro avg       0.76      0.76      0.76      9588
weighted avg       0.76      0.76      0.76      9588

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MAE Score:  0.24071756362119315
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```
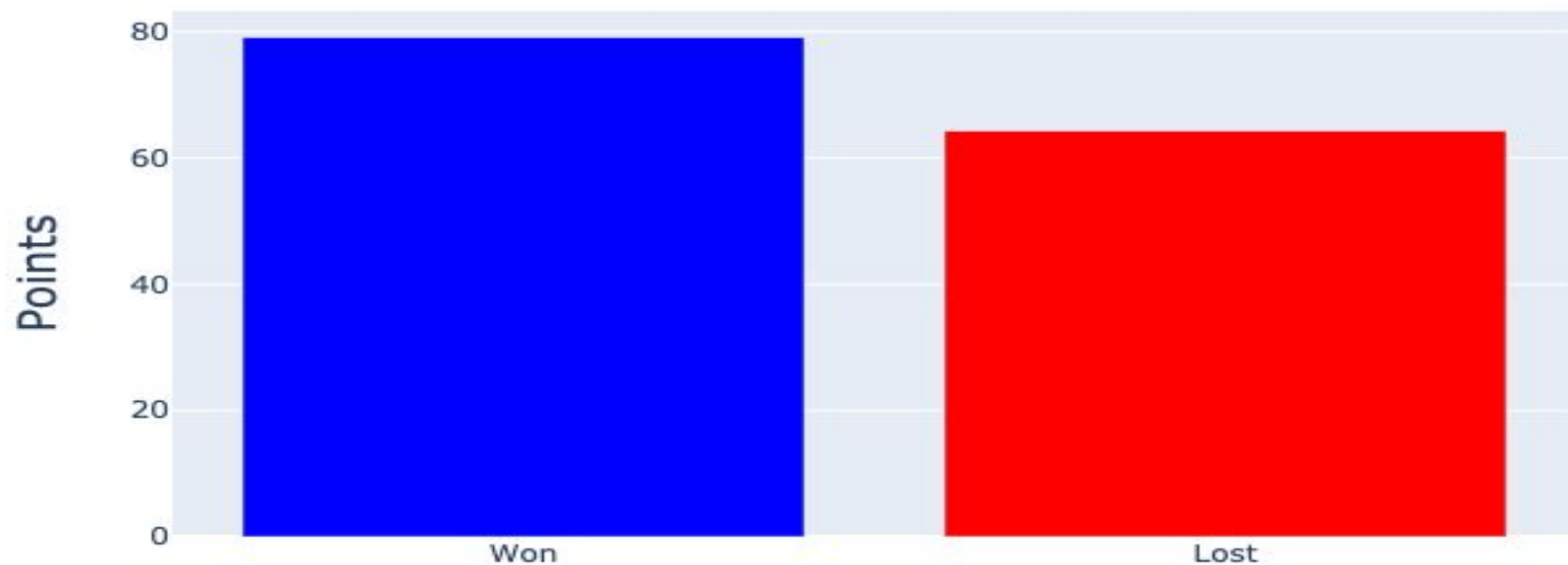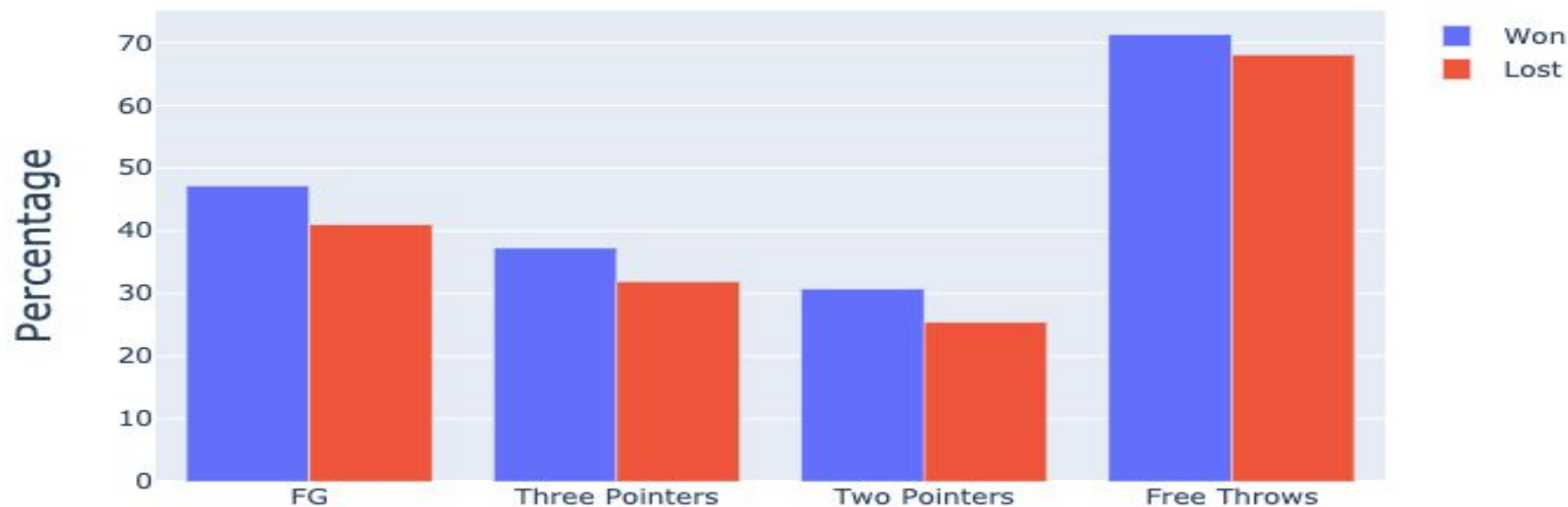
Classification Metrics

Recommendations

How much should you score and defend to win the game?

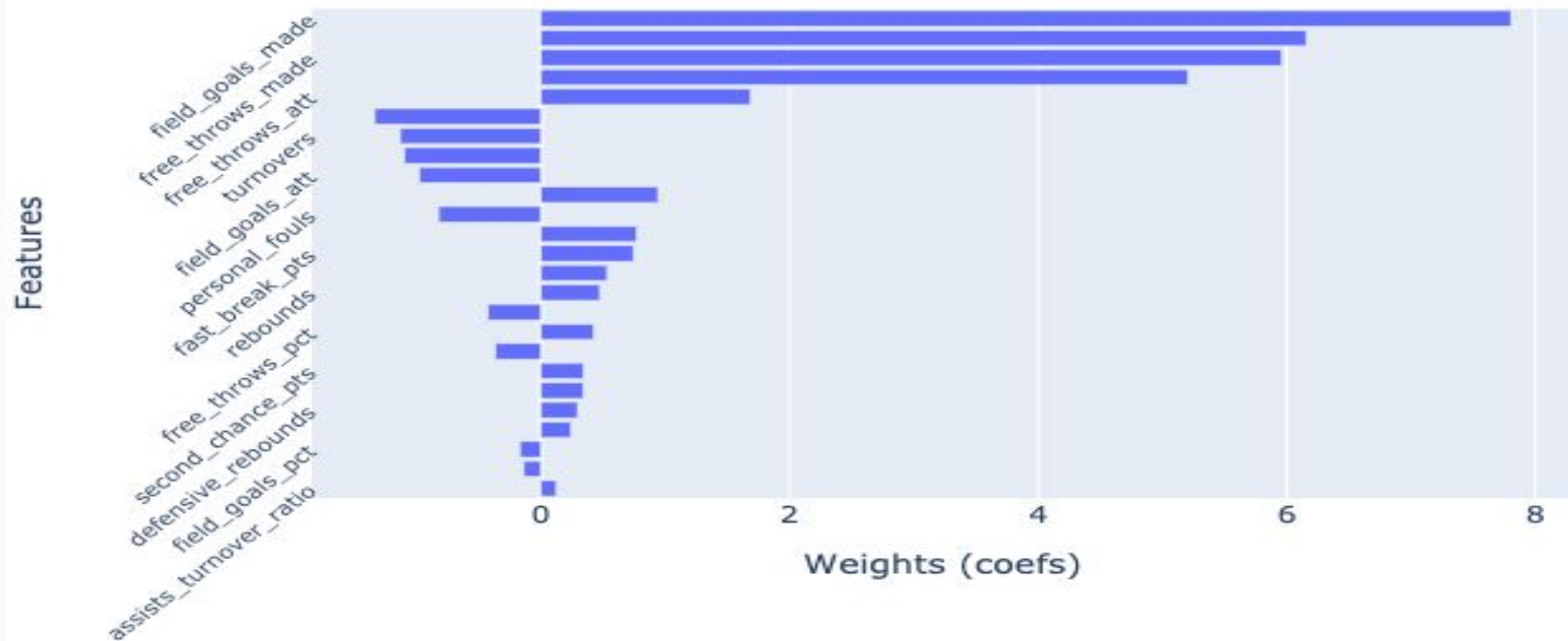# Where should you be shooting on the court?

What stat should you be focusing on?

Feature Importance

- NBA games
  - Maybe even high school
- Create other stats derived from previous stats
- Gain experience with stacking models/use deep learning practices

Future Work

Thanks!