

Batters:

Final Model Features:

- Games
- At bats
- Runs
- Hits
- Doubles
- Triples
- Homeruns
- RBIs
- Stolen Bases
- Walks
- Strikeouts
- Hit by Pitches
- Sacrifice Hits
- Weight
- Height

Best Model:

Logistic Regression: C=1, Accuracy: 0.811, ROC-AUC Test Score: 0.815

Pitchers:

Final Model Features:

- Wins
- Losses
- Games
- Games Started
- Complete Games
- Shutouts
- Saves
- Outs Pitched
- Hits
- Earned Runs
- Homeruns
- Walks
- Strikeouts
- Opponent's Batting Average
- Earned Run Average
- Intentional Walks

- Wild Pitches
- Batters Hit by Pitch
- Balks
- Batters Faced by Pitcher
- Games Finished
- Runs Allowed
- Weight
- Height

Best Model:

Random Forest: criterion='entropy', min_samples_leaf=5, min_samples_split=12, n_estimators=700. Accuracy: 0.803, ROC-AUC Test Score: 0.785