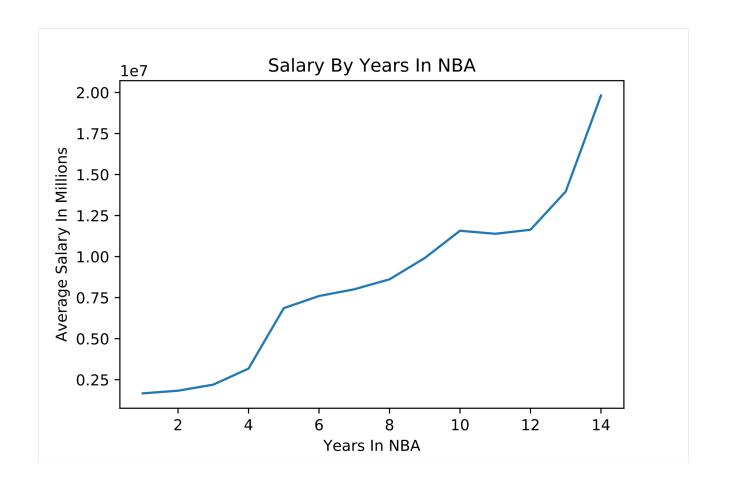
NBA Rookie Second-Contract Salary Predictions

Stephen Ilhardt

Objective

Good general managers plan ahead



Salaries



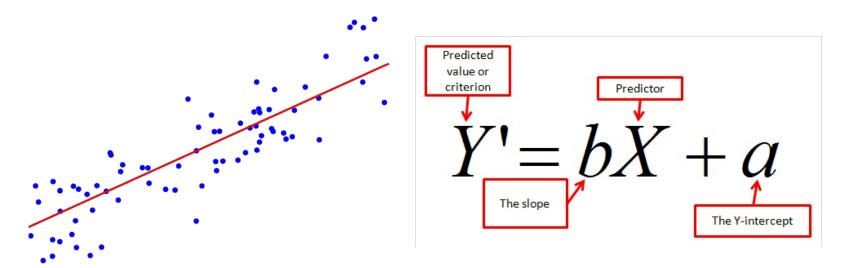
Data Sources

- Draft Data (2005-2014)
- Basic Statistics
- Advanced Statistics



Methods

- Regression
- Prediction
- Interpretation



Key Statistics

- Games Started
- 2. Value-Over-Replacement-Player
- 3. Turnovers
- 4. Three Point Percentage
- 5. Defensive Box Plus-Minus
- 6. Steals
- 7. Free Throw Attempts
- 8. Blocks
- 9. Free Throw Percentage

Cross-Validation Scores

R-Squared By Data Set

•Per 36 Minutes: 0.1613

•Total: 0.1323

•Per Game: 0.1292

Interpretation

- Rookie second contract salaries are hard to formally predict using player statistics
- Less than half of rookies (258 of 600) continue to play in the NBA after four years
- Looking at key statistics in 36-minute periods may be a good test

Future Work

- Determine what does explain variance in second-contract salaries
- Determine Estimated Over-/Undervaluation of players for second contract

