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Project Proposal

CS 699

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We have chosen our data from data.world. Our dataset is about predicting NBA rookies if they can continue their career for five years in NBA. The information about the data is following:

- Data Dictionary:
  - Name: Name
  - GP: Games Played
  - MIN: Minutes Played
  - PTS: Points Per Game
  - FGM: Field Goals Made
  - FGA: Field Goal Attempts
  - FG%: Field Goals Percentage
  - 3PM: 3 Point Made
  - 3PA: 3 Point Attempts
  - 3P%: 3 Point Percentage
  - FTM: Free Throw Made
  - FTA: Free Throw Attempts
  - FT%: Free Throw Percentage
  - OREB: Offensive Rebounds
  - DREB: Defensive Rebounds
  - REB: Rebounds
  - AST: Assists
  - STL: Steals
  - BLK: Blocks
  - TOV: Turn overs
  - TARGET_5Yrs: outcome: 1 if career length >= 5 years, 0 if career length < 5 years.

  This data has 21 attributes and 1340 tuples. Also, the class attribute is TARGET_5Yrs.
- Goal: Through this project, we want to predict whether NBA rookie players can survive in NBA for five years or not.