

In our research, the rookies are the player who are still in his first shoes contract, and these players normally played less than 3 years in the league. Because the number of session is not enough, we will not consider the player who joined the nba in 2017, only focus on 2015 and 2016. The aim is to find who has potential to be an all-star player. We will collect the NBA player list and the game data from basketball-reference. It will include game data of rookie players in the last ten years. And The player who had ever been an all-star player will be seen as success and labelled as one. Then we will use the players who are not rookies as a sample to get a classification. Then we will use this classification to predict which rookie will be an all-star player in the future. And get their fun map. The game data of player will include PER(The Player Efficiency Rating) and the per 36 minutes Winshare. These two advanced data are the most useful data to estimate the value of one player.