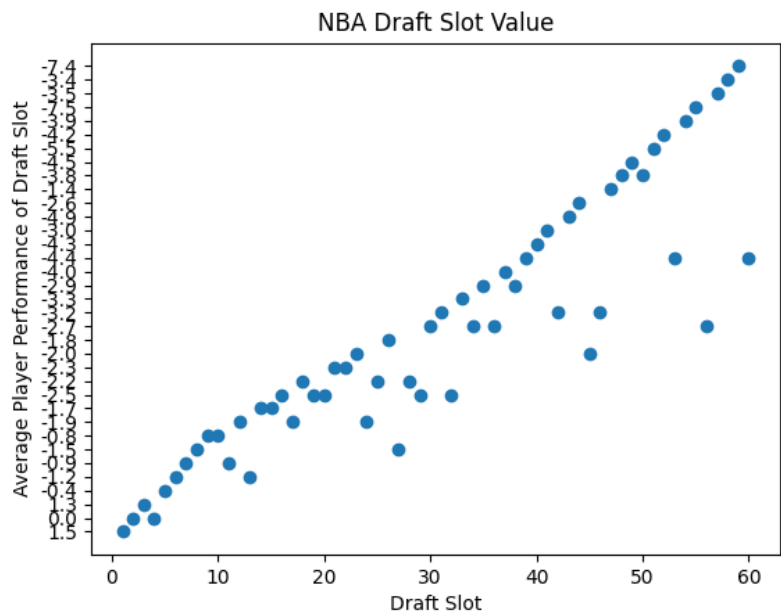


Part 1 B:

There is no direct relationship between a team's first round draft pick in one year and their first round draft pick in the next year. A team’s draft slot year by year depends on multiple factors including a teams regular season record, lottery draft result, and potential trades.

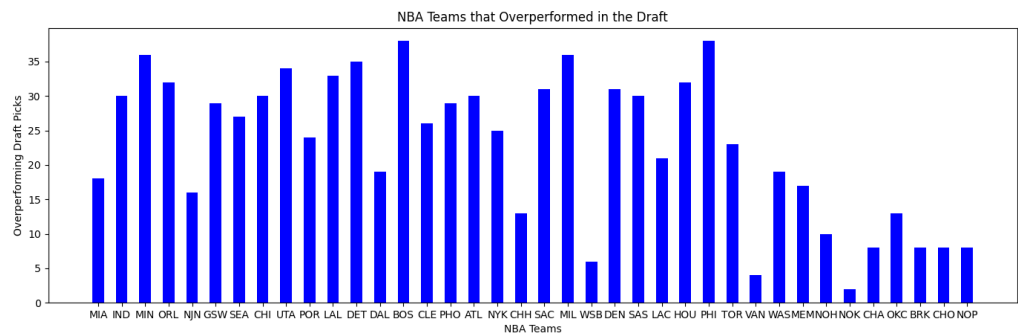
Part 2 Data Visualization:

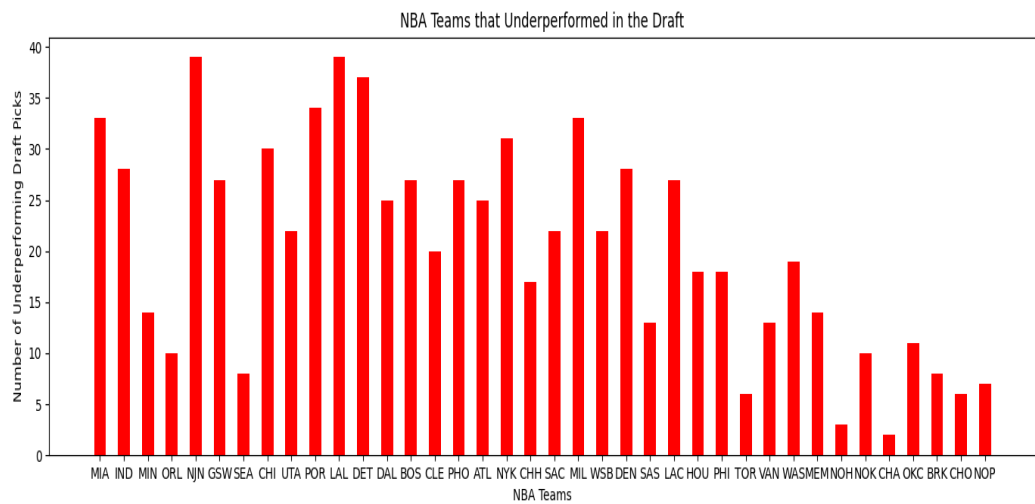
a)



Explanation:

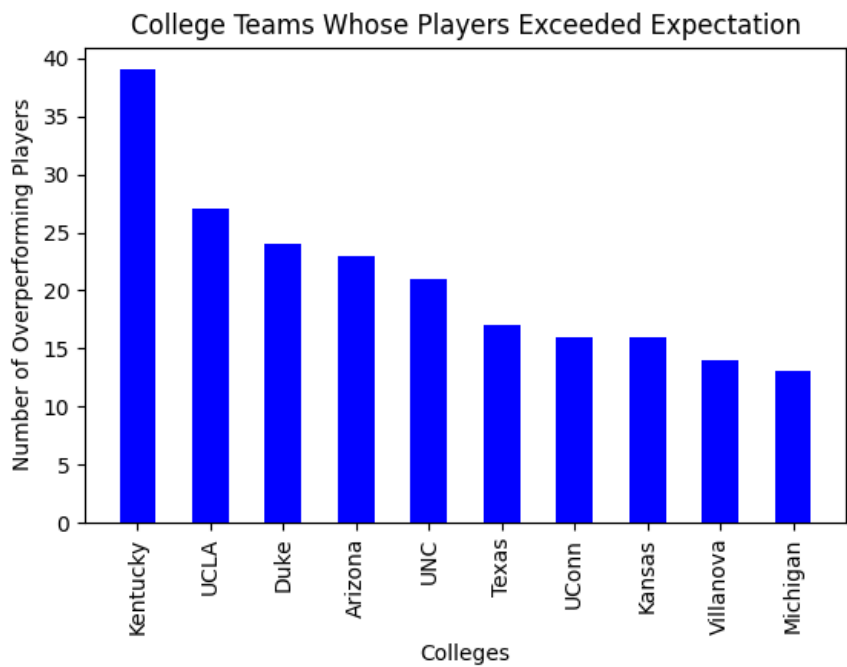
In the table above it shows the relationship between draft slot and player performance to determine the value of each draft slot. The program will ask for a draft slot and depending on the user response it will output whether on average the player selected at that position has the potential to perform ‘Excellent’, ‘Good’, ‘Ok’, or ‘Poor’ in the league. If I were to conduct additional research on this I would provide more positional based categories and more specific sub-rankings such as ‘All-Star’, ‘All-NBA’, etc.





Explanation:
In the tables above it shows the teams that have over performed and under performed in the NBA draft from 1989-2021. The data was found by getting a player's Box Plus Minus (BPM) rating and comparing it to the average BPM for that draft slot. If the player's BPM was over the average it suggests the NBA team over performed with that draft pick, and the opposite if the BPM was lower than the average.

c)



Explanation:
In the table above it shows the college teams that have had the most players outperform expectations after being drafted to the NBA. In a similar fashion to Part b) the data was found by getting a player's BPM rating and comparing it to the average BPM for the draft slot.

