1. While there were various types of injuries that occurred throughout the NBA from 2010-2020, the top three included: knee, ankle, and back injuries. Knee injuries were number one. However, it is important to note that the actual leading category for missing a game was not thoroughly explained, but rather lumped into a section named “placed on IL” (IL means inactive list). With regards to most common injuries sustained from 2010-2020, the pie chart depicts the list in a more visually appealing way. An illness section is also included in said pie chart. This is to be able to draw a comparison to another main reason for missing a game, that is also an inevitable one, much like injuries.

Next we can take a look at total number of players missing NBA games for one reason or another. That total comes to 17,560. This is further divided into 32 teams that were current from 2010-2020. From the scatter plot chart, we can conclude that the Bucks had the greatest number of missing players, at over 700. The Bobcats on the other hand, had the least amount of missing players, at less than 300.

Lastly, we took three random teams that had statistics for the same seasons to compare. The Nuggets, Lakers, and Kings were gathered. 2015, 2016, and 2017 were the years we narrowed down. For 2015, the Nuggets and the Kings won the same number of games for the season, but the amount of missing players only differed by six. Although the Lakers suffered fewer missing players, their season wins were less than the other two teams. For 2016, the Nuggets won the most games out of the other two teams, and additionally accumulated the least amount of players missing as well. The Lakers suffered the most number of missing players, and also lost the most amount of games, in regards to the other two teams. For 2017, the Nuggets had the most amount of missing players, but also had the most total wins between the other two teams. The Lakers and the Kings were close with each other with the total amount of wins and total amount of missing players.

Moreover, there does not seem to be an identifiable correlation between the total number of missing players per team per season to total season wins. I originally thought the higher number of players missing games, the more games a team would lose. That hypothesis reigned true for the Nuggets in 2016, but not for 2015 or 2017. This can be explained through the numerous variables associated with players missing games and how important those players were for their said teams. Additionally, I believe the biggest factor that would have contributed to a possibility of finding a correlation would have been if there was a data set that included star players of those teams and their missing games statistics.

Looking at the total number of missing players per team per season, and its effects on total team wins could potentially help teams figure out the top reasons for their players missing games. From there teams could create possible resolutions to avoiding as many players missing games. Looking at the injury’s standpoint, finding the most common injuries can help team associates create certain warmups and stretches that could help prevent future injuries.