Chapter 5 Assignment:

1. After analysis of new data added; Payroll Rank; this shows that the average rank of world series champions from 1992-2016 is 6.32. I have also analyzed the original data of the winning percentages of world series champions from the same time frame and that has come to an average of 58.875%. So if I was to analyze a teams performance before the trade deadline on how their season is looking I could compare their winning percentage and how their payroll stacks up to the rest of the league.
2. By analyzing these 2 statistics one could notice the trend that you need to be above 58% win percentage and within the top 10 of league payroll to stand a better chance at winning or competing for a world series title.
3. I am going to show how these trends with both bar plot and scatter plot using such R codes as ggplot with geom\_line to show this average trends of these 2 different data sets. These data sets could also be shown in bar plots using geom\_bar. Both plot styles would use year on the x-axis and depending on the data set used; win percentage or payroll rank on the y-axis.
4. By analyzing these plots with averages and the data in general one could conceivably predict and hypothesize how your specific teams season could result and by using this hypothesis you could make a determination whether you can be aggressive and make trades at trade deadline or become sellers and sell off your best players for prospects for the future as your could know where you rank with your current win percentage and your payroll rank for the players on your roster now and subsequent seasons.