

Bellevue University

Project Task 4

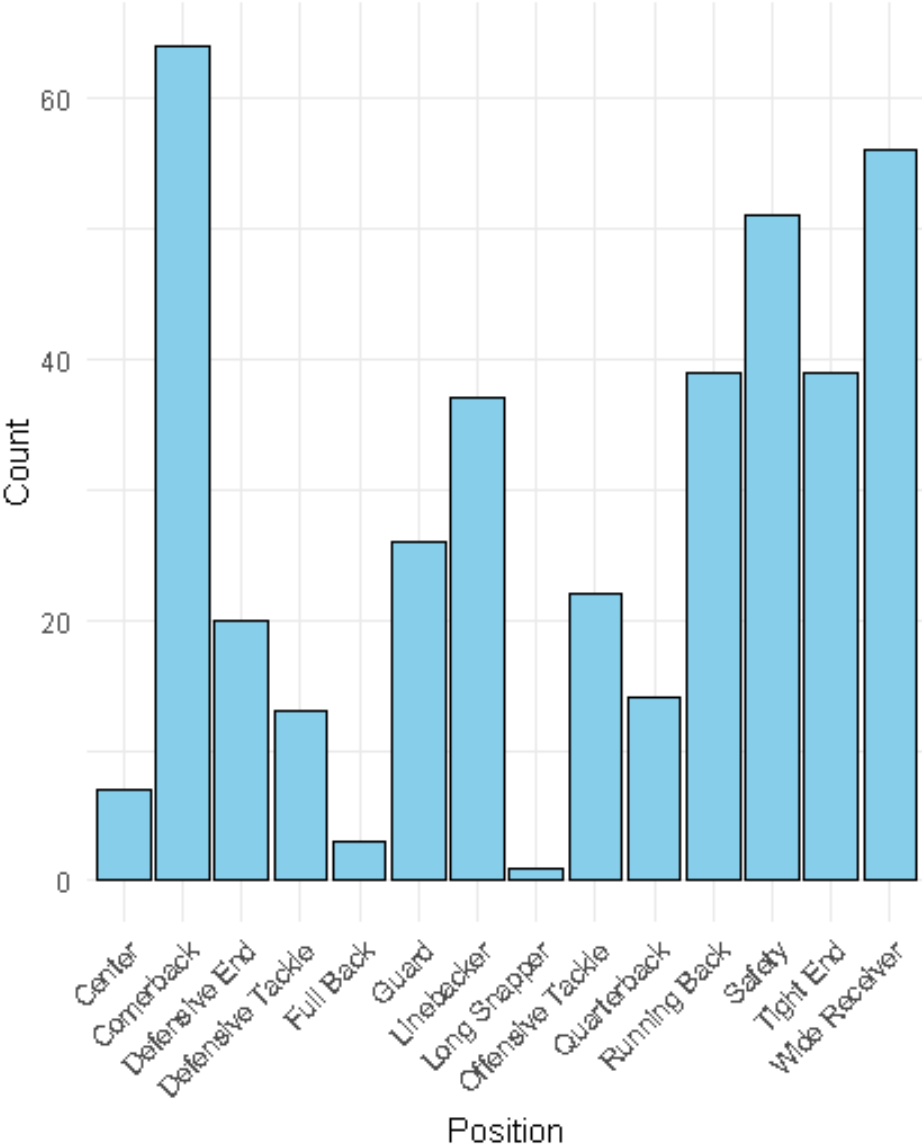
Timothy Jelinek

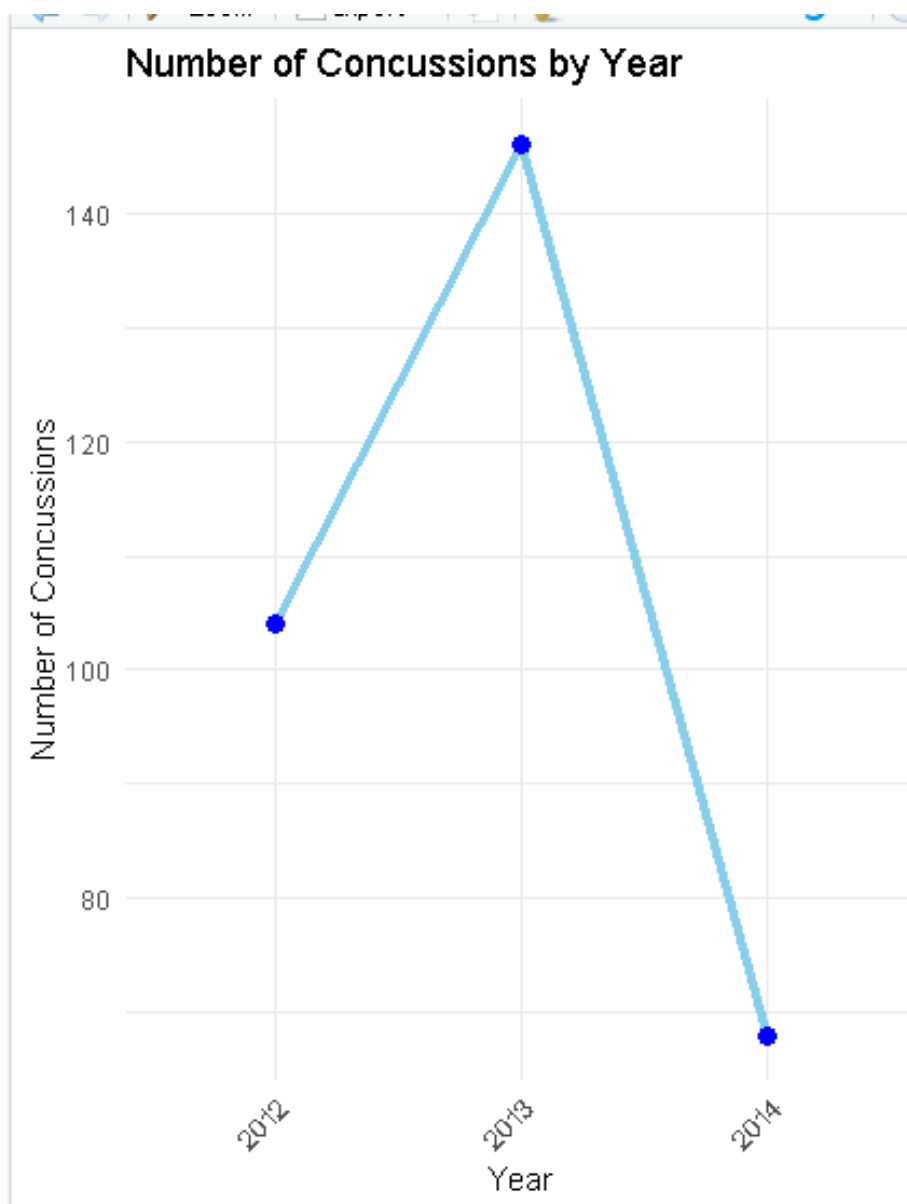
DSC310-T301

8/9/2024

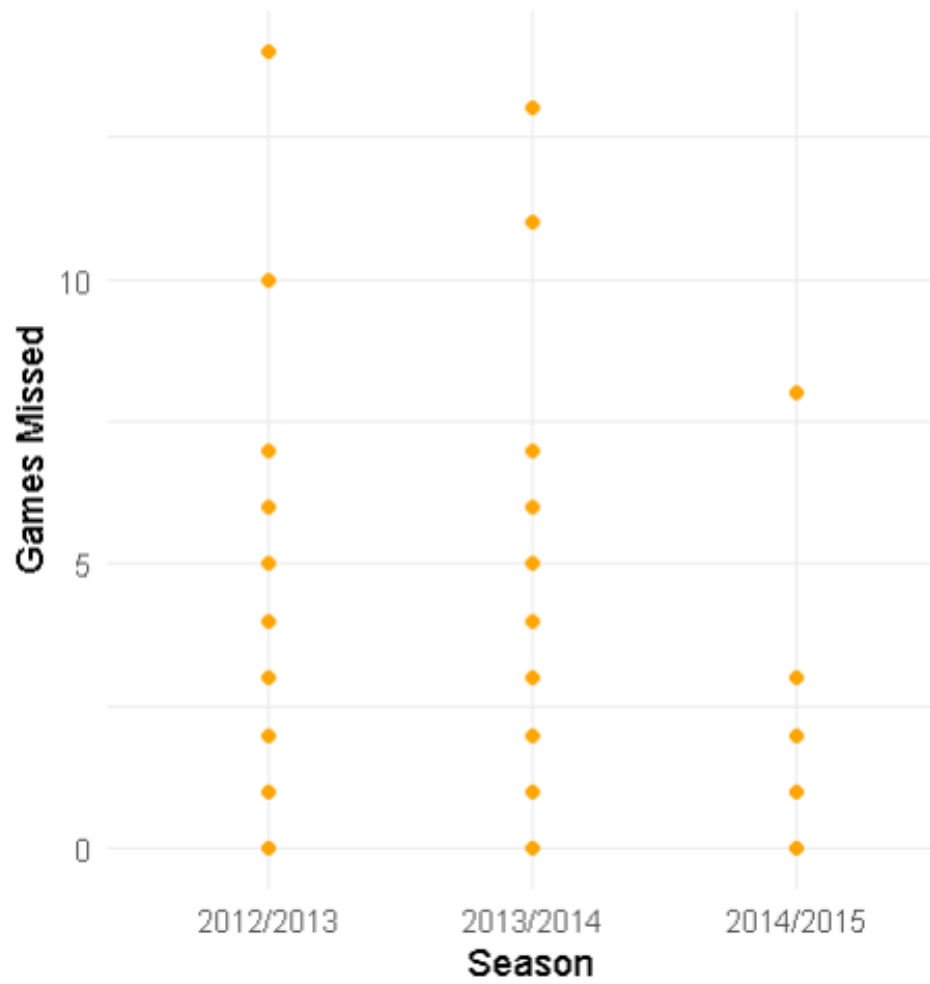
The topic I have chosen to research and create visualizations for is concussions of NFL players from 2012-2014. I chose this subject because the NFL has been one of my family's favorite entertainments to watch for a long time. The Green Bay Packers have been our favorite team ever since football started being played. A big topic of conversation over the years of the NFL is safety and the number of concussions players receive every year and if the amount is going up or down. Player safety is a widely debated topic, and it can be an important statistic when it comes to gambling and the success a team earns. It is interesting to see how over time there have been more and more new safety measures to avoid concussions and how new penalties have been introduced to help prevent them. Hits to the head is always a dangerous thing, even if a concussion doesn't take place, some more serious injuries can. I remember the sad day when Jermichael Finley got hit and injured and had to retire due to the injury. Injuries can have immediate and long term effects on player's careers, lives, and the success of the team. It is interesting to see the new rules that come out every year in the NFL to prevent injuries. It will be interesting to see how the new kickoff and anti-hip tackle rules will affect games this year. I can't wait to use this data set to make story telling data visualizations to show how the amount of concussions over the years have changed.

Count of Players by Position

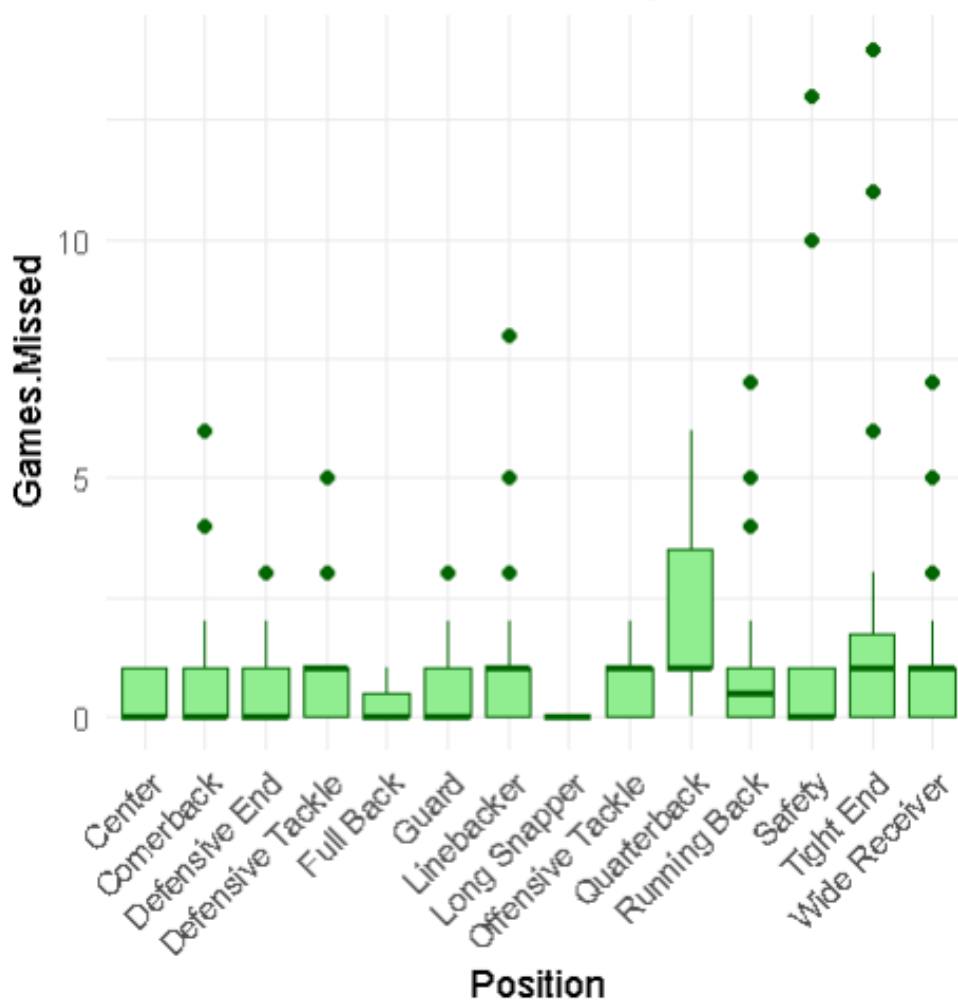




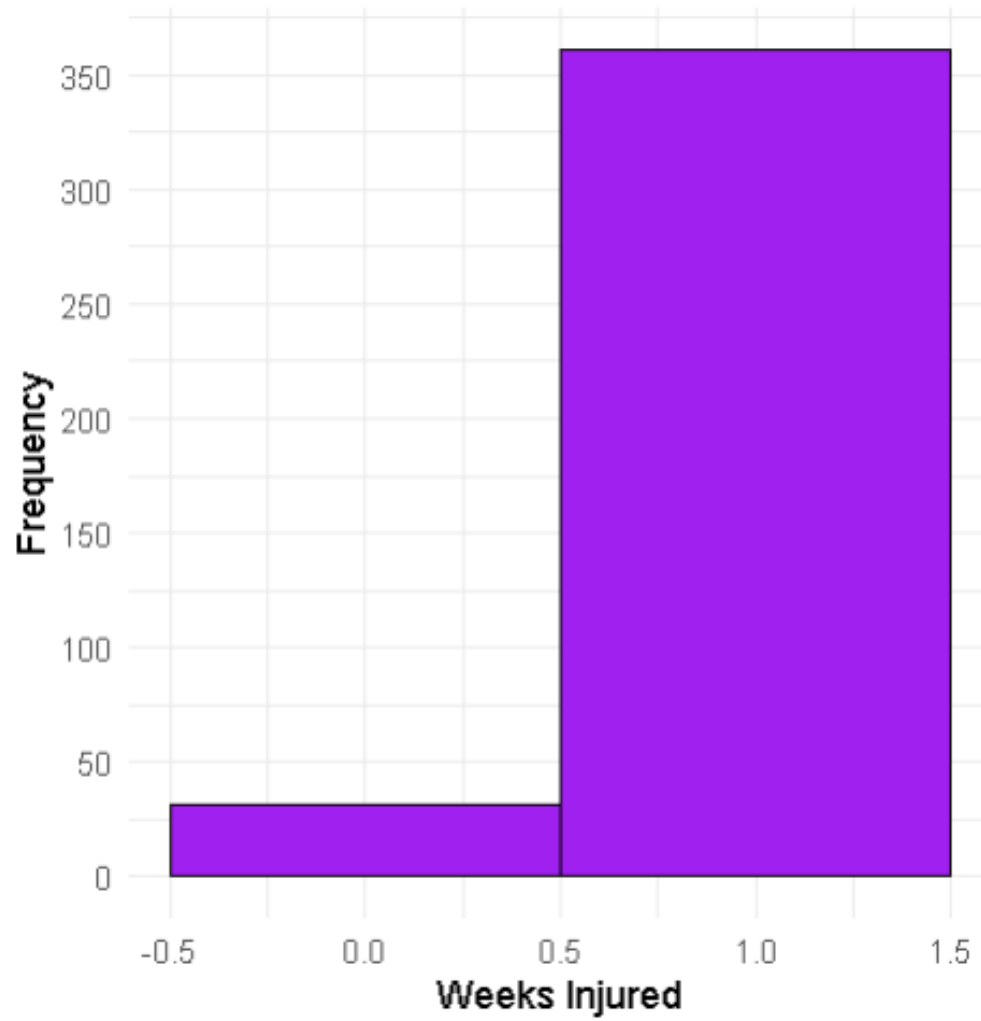
Scatter Plot: Season vs Games Missed

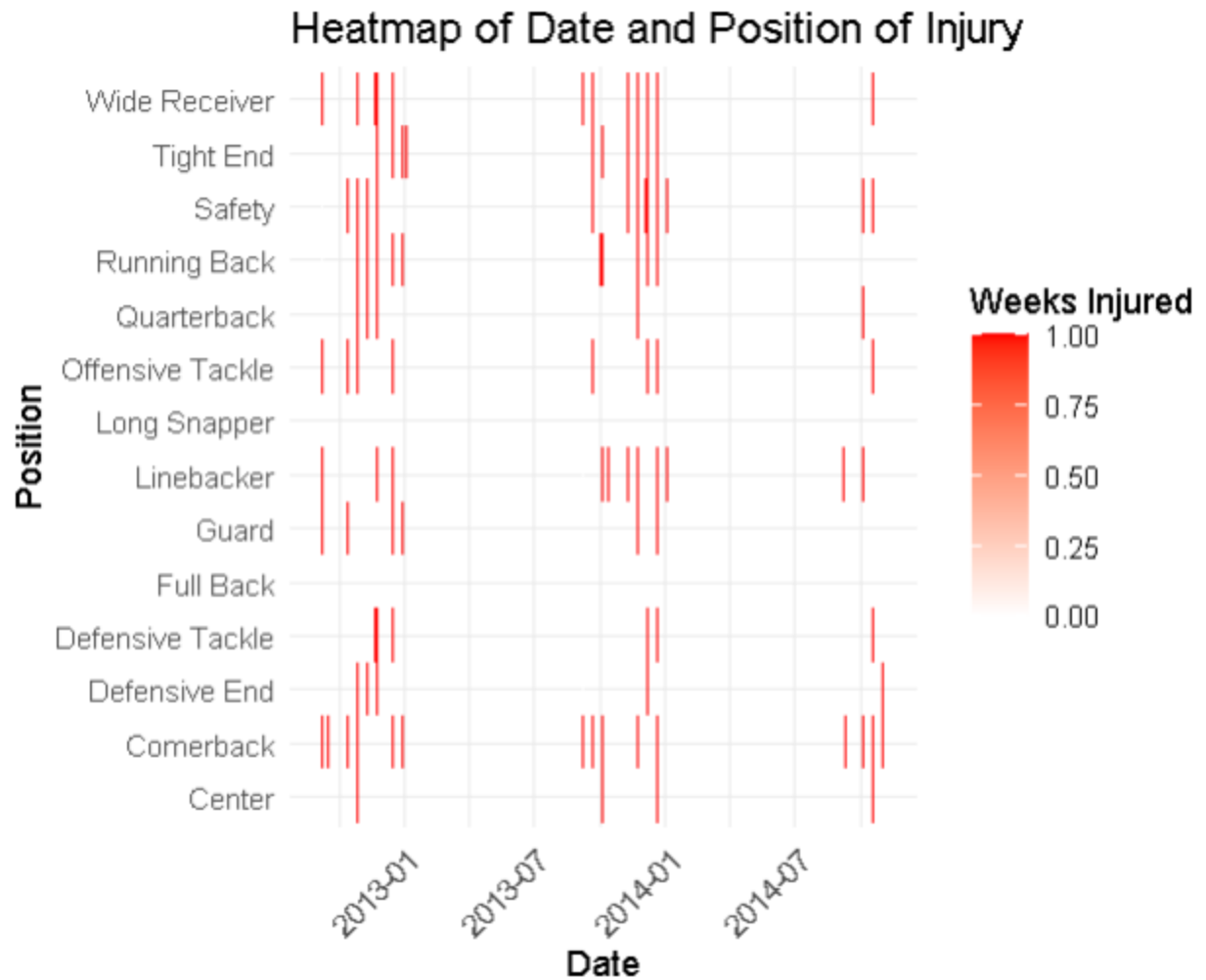


Box Plot: Weeks Missed by Position



Histogram: Distribution of Weeks of Injury





Source:

matthewspiritalon/data-analysis-and-visualization | Workspace | data.world. (n.d.).

data.world. <https://data.world/matthewspiritalon/data-analysis-and-visualization/workspace/file?agentid=alice-c&datasetid=nfl&filename=Concussion+Injuries+2012-2014.csv>