The WAR that stands above all others

Jeremiah Graff
IST 719 Final Project Poster

The analysis below contains Wins Above Replacement (WAR) data for all MLB players in the 2019 season. The data set contained 1,410 observations (players) of 24 variables. Within MLB, the AL has: the division with the largest cumulative WAR, 5 of the top 6 teams in cumulative WAR, and 6 of the top 10 players in WAR for the 2019 season.
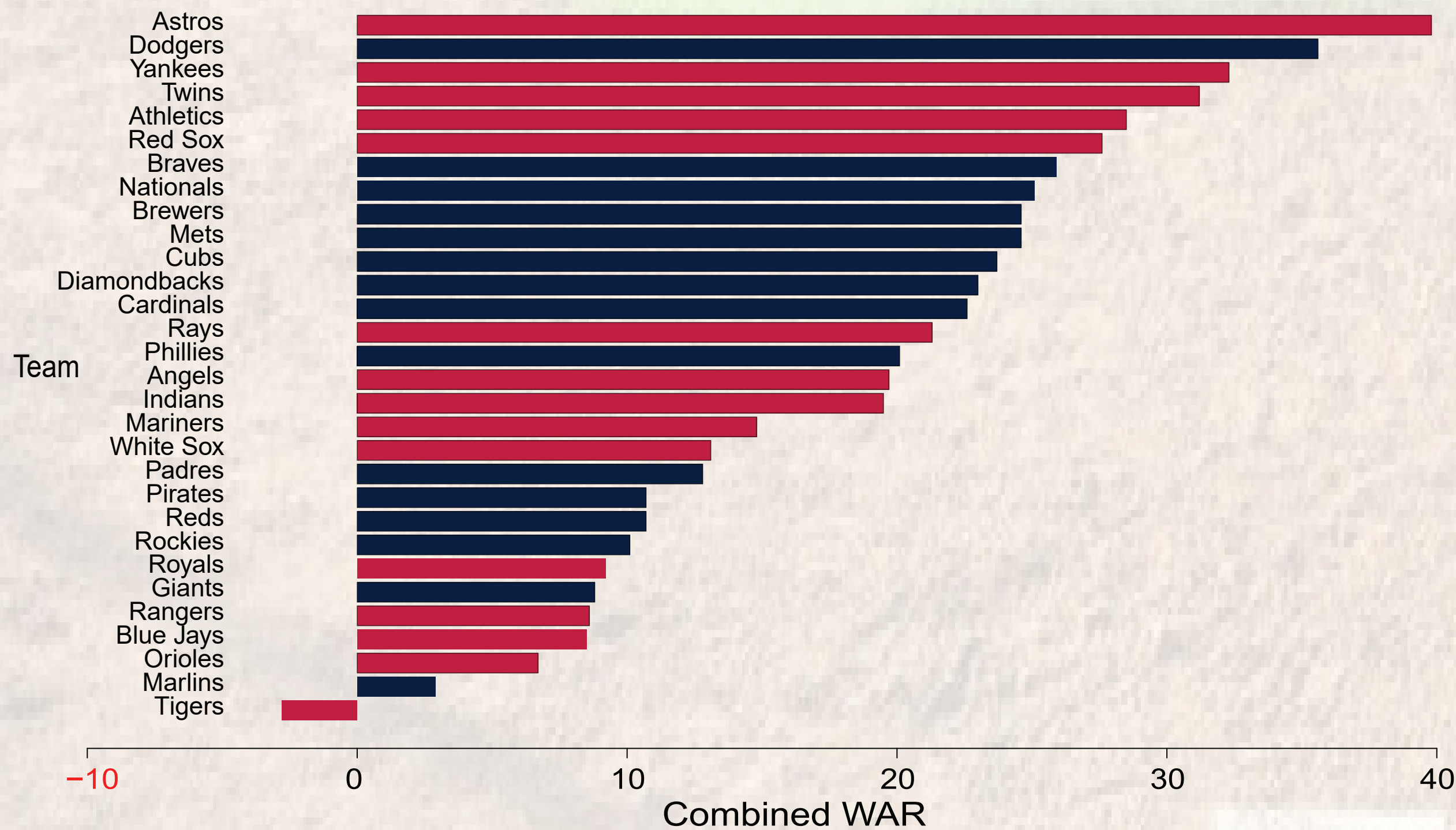
Question 1: Does the distribution of WAR by Team skew towards a certain league or is it evenly distributed?
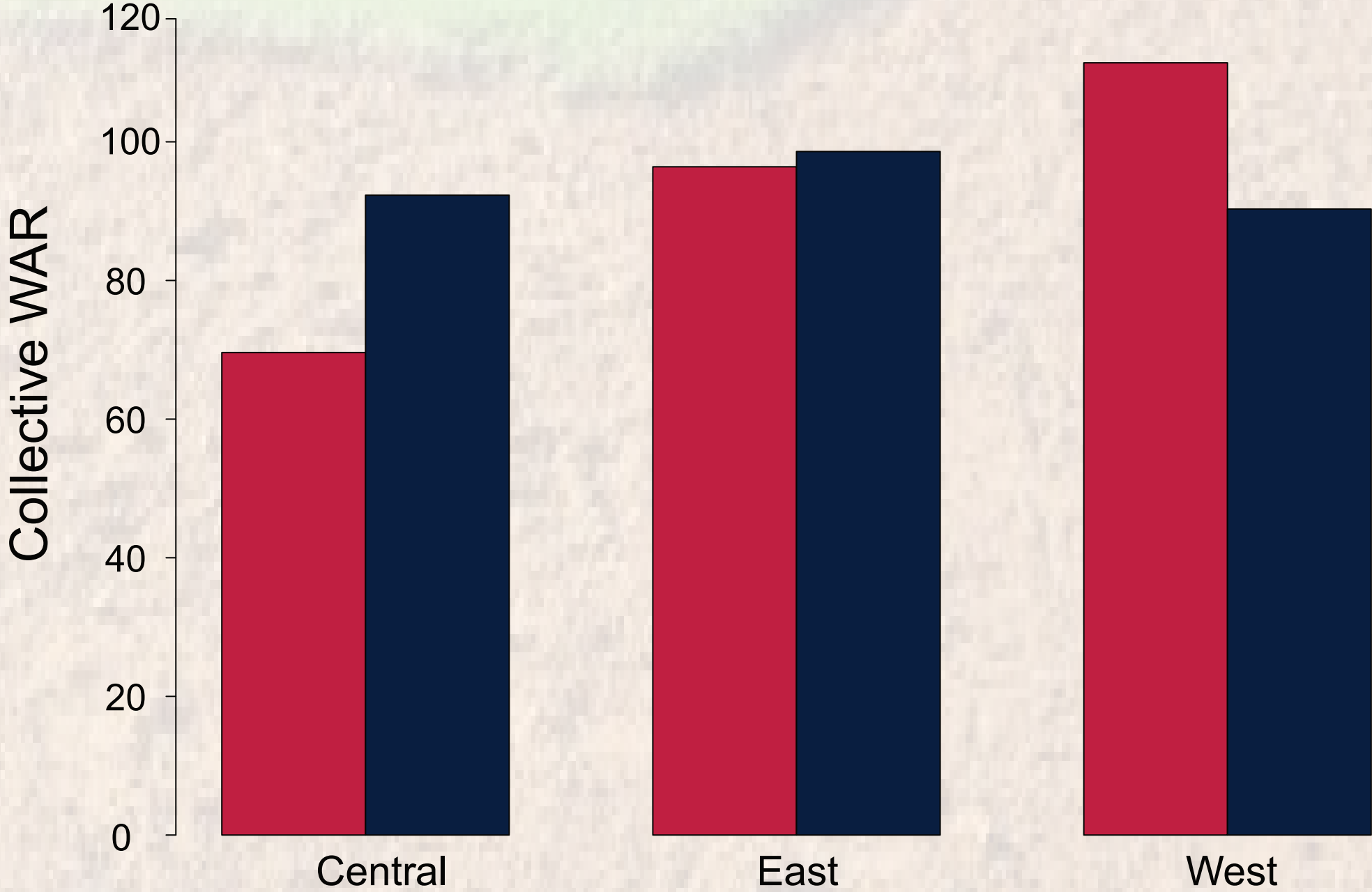
Divisions

AL **NL**

Question 2: Is WAR spread evenly or unevenly among the divisions of MLB? Which division has the highest combined WAR?
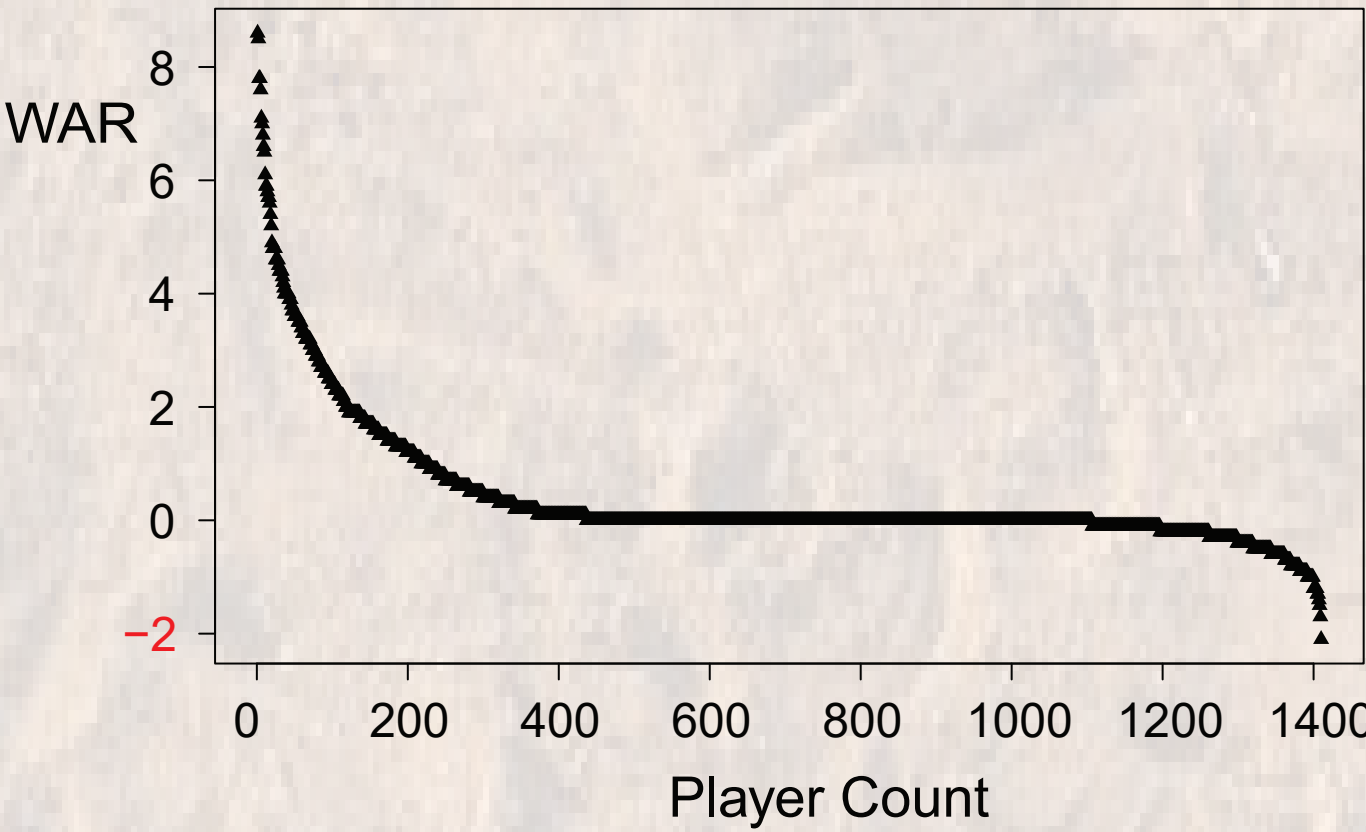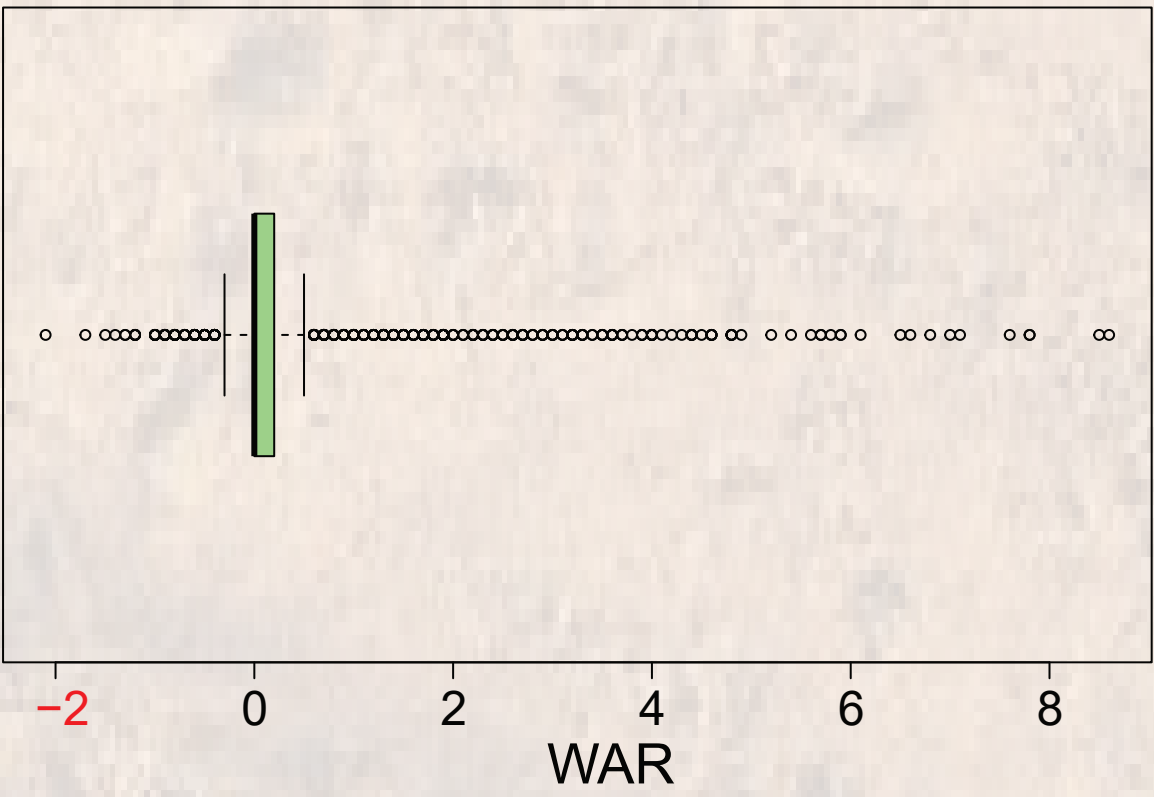
WAR by Team
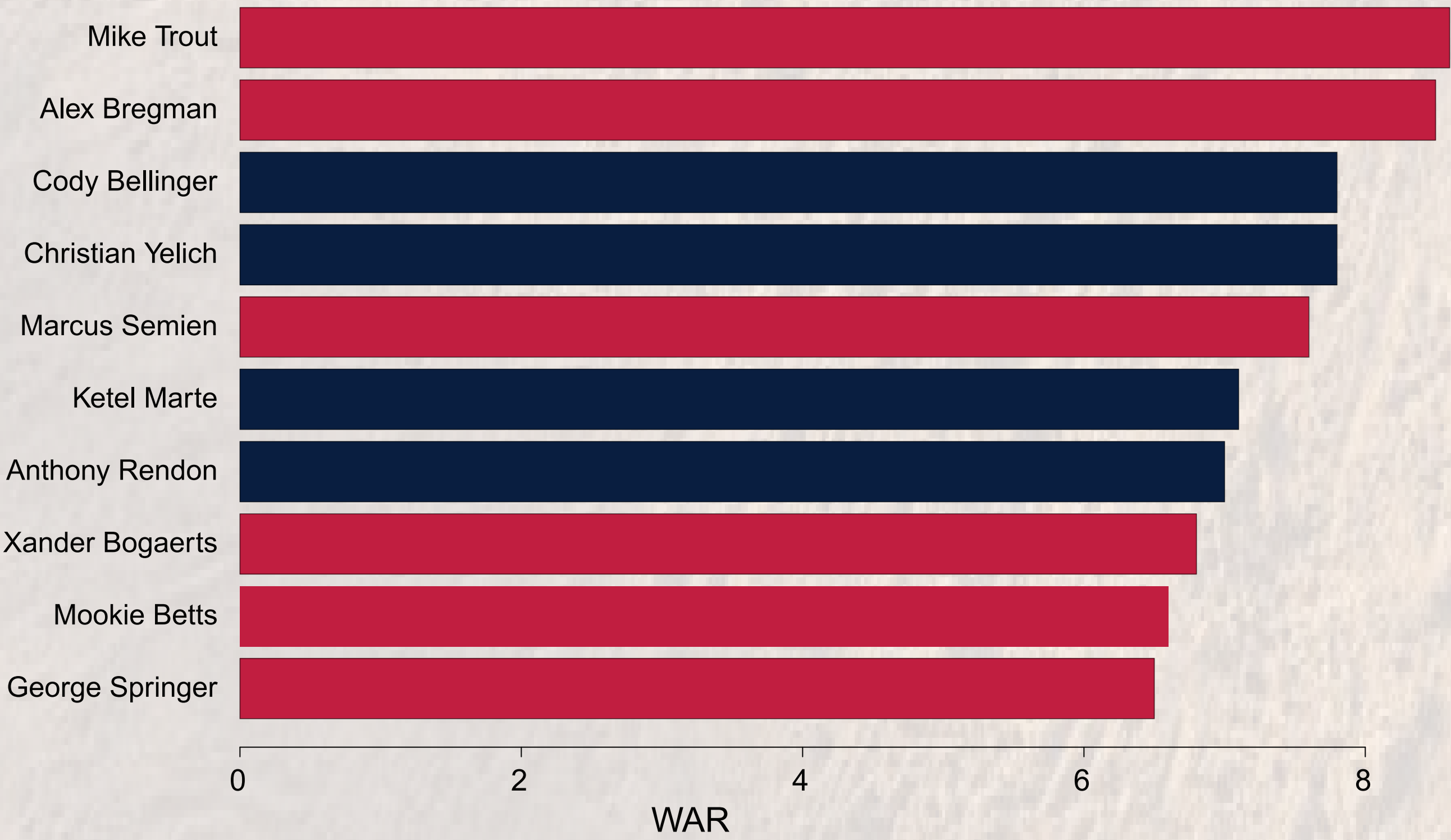

WAR by League By Division

Question 3: Does the distribution of WAR by Player skew towards a certain league or is it evenly distributed?

Distribution Plots

Top 10 WAR Players

Motivation: This poster is aimed towards educating MLB fans to help them understand differences in WAR distribution between the AL & NL. It is interesting to observe the raw statistical side of baseball when we spend a lot of time talking about the human element of it.

R Packages Used: Base Packages Only