**Moneyball – Baseball players replacement using R**

The three constraints for finding replacement players are :

* The total combined salary of the three players cannot exceed 15 million dollars.
* Their combined number of At Bats (AB) needs to be equal to or greater than the lost players.
* Their mean OBP had to equal to or greater than the mean OBP of the lost players

Created a scatterplot of Salary v/s OBP and found that there were many players under the salary cap of 8 million with a decent OBP.

A screen shot of a graph

Description automatically generated

After performing analysis of the data, we narrowed down to 122 players that satisfied the constraints. The three players that I selected for replacement are as follows.

A number on a white background

Description automatically generated