Coding:

Result:

Conclusion:

I made a function to calculate the mean of the dataset using the concept of balancing moments. First, I initialized mx which was a set consisting of all the values from the min value in the dataset to the max value with the step of 0.01. (1.31, 1.32, 1.33,7.39, 7.4) Then at each loop, I subtract each value in the data set with the current mx and sum the 5 values up, if the sum is 0 then mx[i] (current mx) will be returned. Then I check the mean from my function with the mean calculated with R's built in mean. The results were the same.