List of Files:

1. **NBAPrediction.ipynb**

This is the main code written in Spyder notebook using Anaconda. All the coed details are already written in between codes.

1. **updatedmean\_x.csv**

File contains average data of previous 5 games for experiment part C in which we add new features to the data and total features become 44.

1. **updatedmean\_result.csv**

File contains result for the updatedmean\_x.csv files.

1. **mean\_result.csv**

File contains average data of previous 5 games for experiment part B in which

We transform the data to average data and total features were 34.

1. **mean\_x.csv**

File Contains result for the updatedmean\_x.csv files.

1. **2012-18\_OfficialBoxScore.csv**

File containing raw data downloaded from the Kaggle website

1. **Neuralnet.h5**

Neural net model saved with best accuracy (With added features and normalized data in Part C approach 2 of Experiment)

1. **Logisticregression.sav**

Logistic Regression model saved as .sav format using pickle with the best accuracy (With added features in Part C approach 1 of Experiment)

**Note** - Reason for providing all these extra .csv files is that getting average data takes lot of time and if we run the code, we can see it takes huge time to calculate the average data and then we again have to convert the data from list to NumPy array. To save the burden I have save it already in .csv files [2,3,4,5]. Also, the code to convert the data is available in the main code so you just need to remove the # from the comments and print output

From this block shown below:

