Assignment27: Session 27 Machine Learning 7

**2. Problem Statement**

In this assignment, students will be using the K-nearest neighbors algorithm to predict

how many points NBA players scored in the 2013-2014 season.

A look at the data

Before we dive into the algorithm, let’s take a look at our data. Each row in the data

contains information on how a player performed in the 2013-2014 NBA season.

Download 'nba\_2013.csv' file from this link:

https://www.dropbox.com/s/b3nv38jjo5dxcl6/nba\_2013.csv?dl=0

Here are some selected columns from the data:

player - name of the player

pos - the position of the player

g - number of games the player was in

gs - number of games the player started

pts - total points the player scored

There are many more columns in the data, mostly containing information about average

player game performance over the course of the season. See this site for an explanation

of the rest of them.

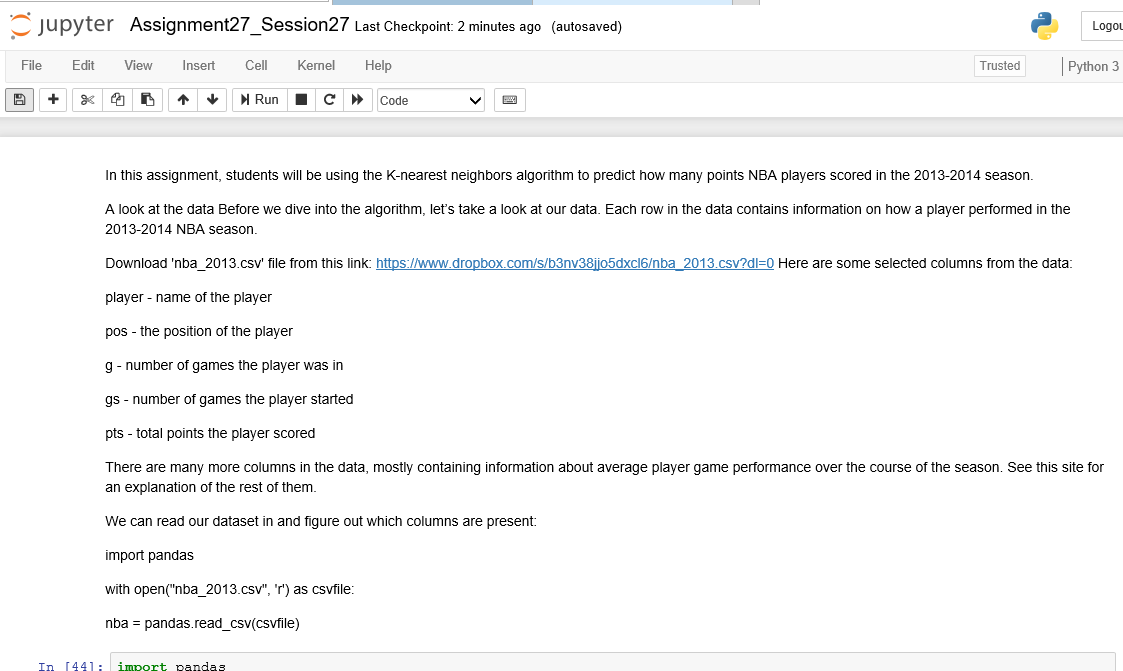
We can read our dataset in and figure out which columns are present:

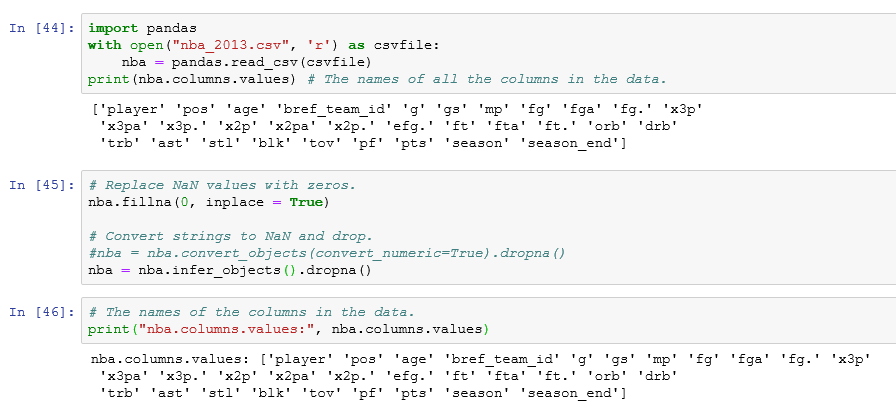
import pandas

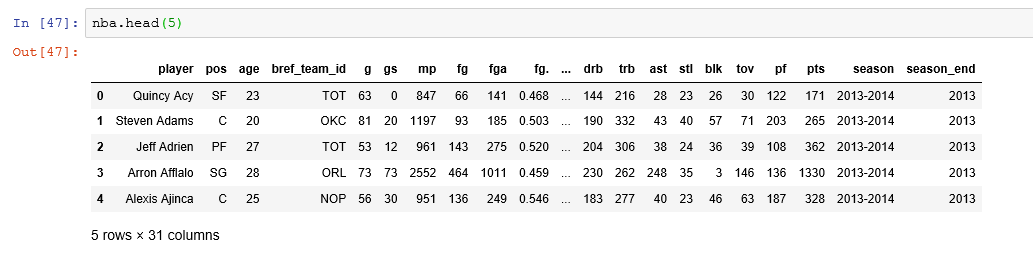
with open("nba\_2013.csv", 'r') as csvfile:

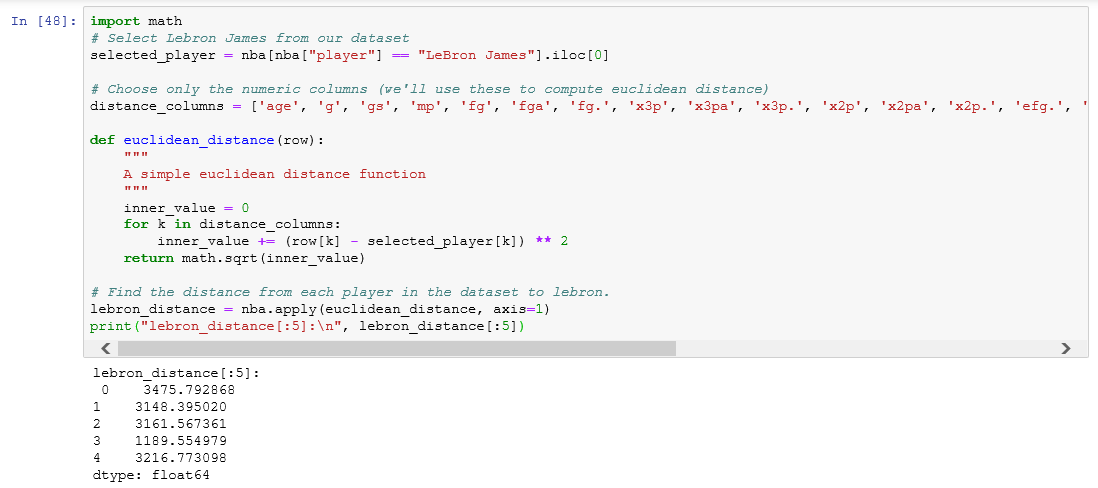
nba = pandas.read\_csv(csvfile)

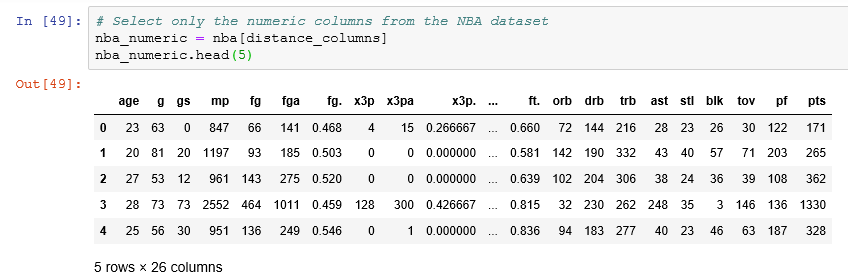
**3. Output**

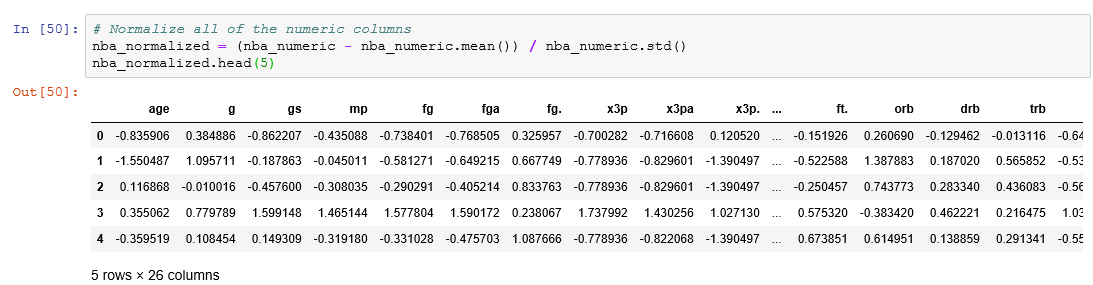
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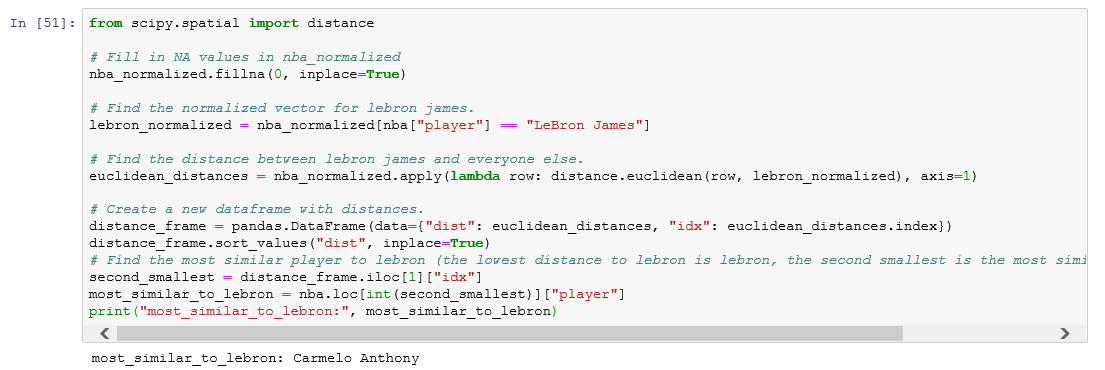
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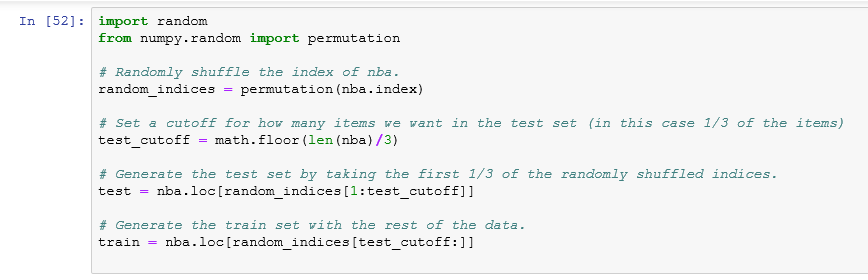
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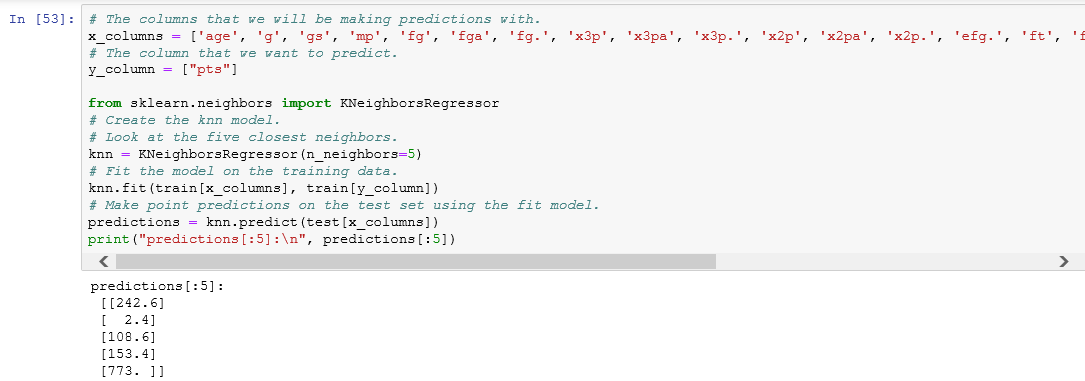
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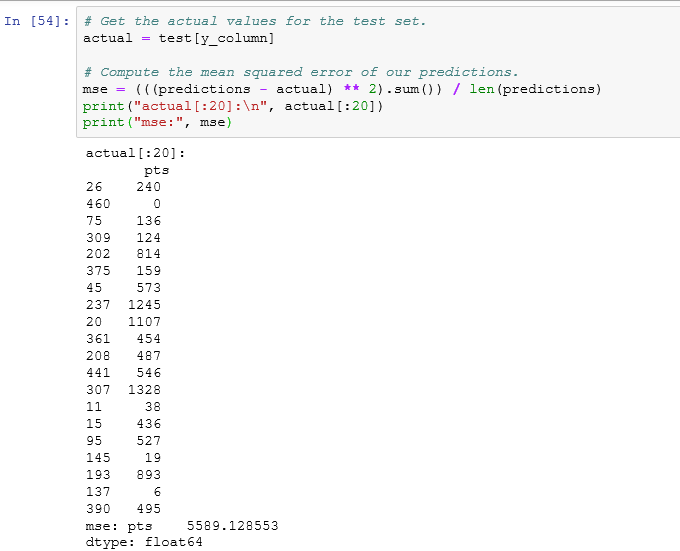
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