**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Week 13 Lab: Clustering Running Backs**

Start by opening SPSS.

1. You’ll find “IBM SPSS Statistics” in Programs >> Analysis & Modeling >> Statistics-Math

Now open the running back dataset.

1. Download from Oncourse >> Resources >> LAB WORKSHEETS >> Week11\_ClusteringRBs.xlsx
2. In SPSS, open the XLSX file.

Run K-Means on the running backs.

1. In the Analyze menu, go to Classify >> K-Means Cluster…
2. Put the “fullname” variable in “Label Cases By” area, and put the rest of the variables in the “Variables” field.
3. Set the number of clusters to 6
4. In “Save…”, select “Cluster membership” and “Distance from cluster center”
5. In “Options…”, select “Cluster information for each case” and deselect “Initial cluster centers”.
6. Back on the main “K-Means Cluster Analysis” window, click “OK.”

For each of the running backs on your fantasy team (or your 4 favorites, if you have more than 4), describe the cluster that they’ve been classified into:

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