**APPENDING TABLES IN POWER QUERY – DEMO NOTES**

o Demo dataset: Oscars

- So far, we have been working on one table at a time, but really one of the big advantages of Power Query is that we can easily combine multiple files in a transparent, repeatable way, so no more haphazard data dumps and copying and pasting.

- So here we have two files that are separated, they are all the records for entries that won an Academy Award and those that were nominated but did not win, and we want to combine these two files.

- So we’ll open a blank workbook here and now I’ll go to Data, from Text/CSV file.

- I’ll select one, Oscars\_yes, and now this has been loaded into our workbook, and we have the option to load it as-is or transform it. I’m going to go ahead and load this to a table just to be able to take a look at it.

o Now, I’ll do the same for Oscars\_no as well.

- You’re going to see here on the side that I have two

- Okay, now for a drill, you have two files, same idea, you have records of players who did win the hall of fame and of those who did not, so you’ll want to append them together into one file.

- Great, congratulations on appending two files and let’s take a look at this hall of fame data, you are going to notice that there is a field, player ID. But I don’t know who those players are.

1. This time we have two datasets, they are in csv format. We want to stack them into one.

a. Could happen if you are pulling data from multiple places

2. Open a new Excel workbook

a. Data -> From text/csv

b. Open Oscars\_yes. We have load this in to our workbook session.

i. We have the option to load it in as-is or transform it. Let’s load it as a table just to take a gander at it.

c. Do the same for Oscars\_no.

d. Now we have two queries. So I want to append the “no’s” to the end of the “yes’s.” To do that I will click on that query name and here if we go to the Query tab, I can click Append.

i. And we can append Oscars\_no to Oscars\_yes.

e. Now we have created a new table.

i. Again see how we have the yes and no files intact. And now a third query which has been loaded into a Table.

ii. By default PQ will append the columns based on having the same names. If columns are not the same names and you want to append them

iii. And if you have extra columns then they will just be NULLs.

3. Drill – do the same to the hof\_inducted and hof\_not\_inducted tables

1. This will work the same as the above

2. Notice that this doesn’t have the player’s name, just an ID field.

a. Show the Master table, hey guess what we do have these names, how would we do this in Excel? With VLOOKUP(). Well we will transcend this in Power Query.