**TRANSFORMING COLUMNS IN POWER QUERY II – DEMO NOTES**

● Presentation: Concatenating columns, creating calculated fields, and un-pivoting tables

o Demo: census-population-density.xlsx

1. First concatenate name and abbreviation

a. Works kinda like PivotTable calculated fields

b. Click link to Learn about Power Query formulas – this is M code.

c. If I make a mistake I can go back to that gear box.

d. Move this new column to the front of the dataset

e. Delete the other columns, no way there will be issues with formula errors!

f. Now I want to calculate population density. This is where ordering the query steps can really matter. Because we could calculate each column at a time but it would make more sense to reshape this dataset.

g. Right-click and Pivot

h. Now we can rename these fields

i. Now we can calculate population density.

o Exercise: Wholesale customers

1. Tidy this data

2. Create a field calculating 10% of the sales.

a. You can do this with your own calculated field.

b. There is also a way to transform this -> Number -> Multiply.