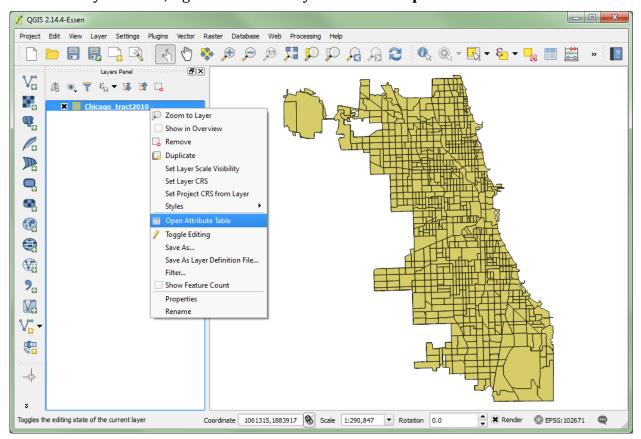
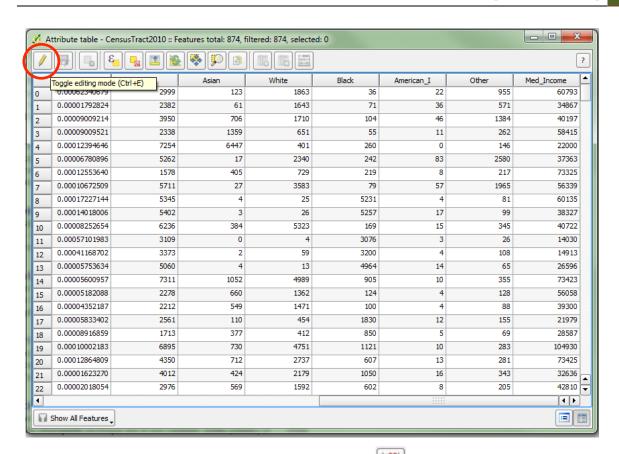
Use QGIS Field Calculator: Calculate Population Density

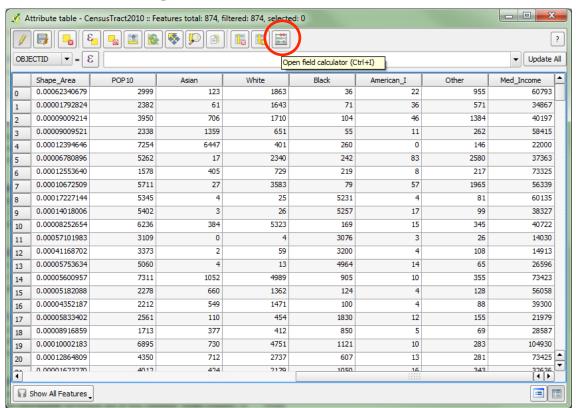
- Open QGIS Desktop and Add the Vector Layer
- In the Layers Panel, right-click on the layer and select **Open Attribute Table**.



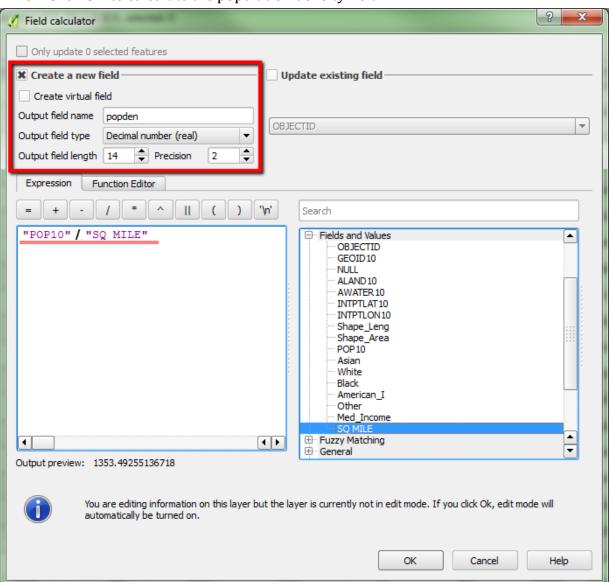
• In the Attribute Table dialog window, click on the **Toggle editing mode** button (see image below). The editing mode will allow you to make changes to the attribute table, such as *creating a new column* or *deleting an existing column*.



• Then click on the **Open field calculator** button

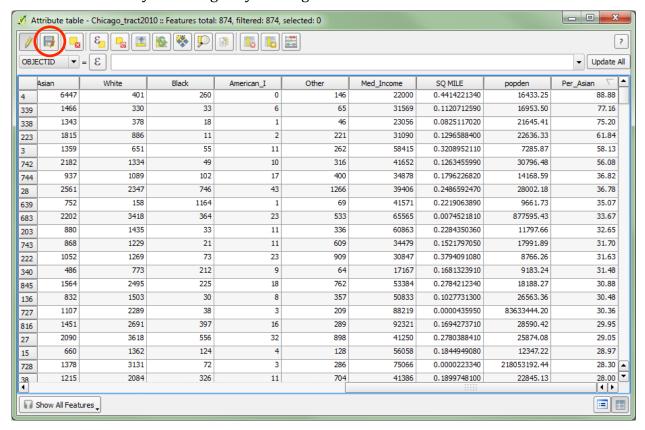


- Now, we are about to create a new field to calculate population density using the values from POP10 (total 2010 population) and SQ MILE (total area measured in square mile). In the Field calculator window, make the following changes:
 - Check the box next to Create a new field (we will create a new field to hold the population density values)
 - o Set the Output field name as **popden** (this is the name of the new field)
 - o Set the Output field type as **Decimal number (real)** (the data type of the new field)
 - Set Output field width as 14 (total number of digits), Precision as 2 (number of decimal places)
 - Enter the Expression to calculate "POP10/"SQ MILE". You can double-click the field name from the Fields and Values section to add a field. And you may complete the rest of the expression using your keyboard.
 - Click **OK** to calculate the population density field.



Be sure to save your changes by clicking on the **Save Edits** button





Then click on the **Toggle editing mode** button again to exit the editing mode.
Then close the attribute table.