PCensus 10 for MapPoint

Jan 2013

Pointfile Guide for circles, polygons or drive-time polygons

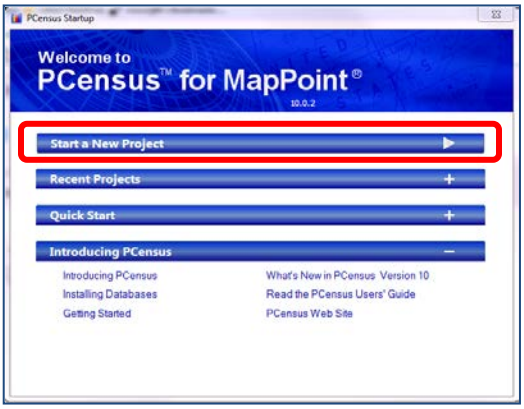
To obtain statistics for *component parts* of a *larger geographic area defined by a circle, polygon, or drive-time polygon.*

This example will use a drawn polygon, using the following broad steps:

Draw a Polygon ⇨ **Pick the level of geography you want to extract** ⇨ **Create a spreadsheet with a row of statistics for *every 'geography' in your polygon***

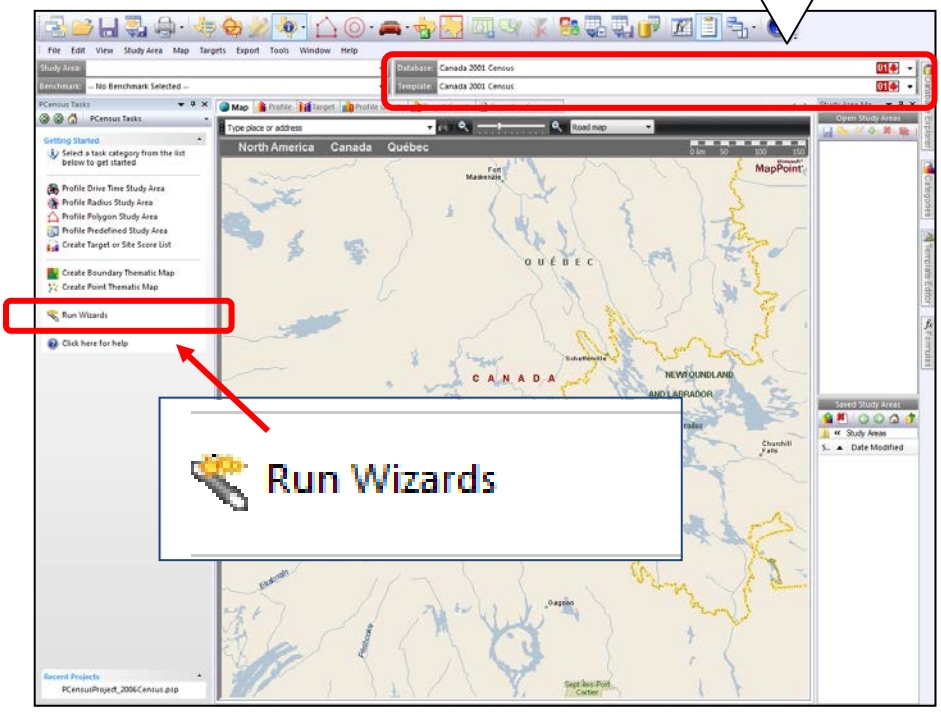
1. Open **PCensus for MapPoint**
   - Login to the Library Computer you are working at using your NetId.
   - Open the desktop folder that contains **PCensus** software ('Humanities & Social Sciences Research Databases').
   - Open '**PCensus for MapPoint**'.

2. On the "Welcome" screen, Click on "**Start a New Project**", and then choose the desired database.

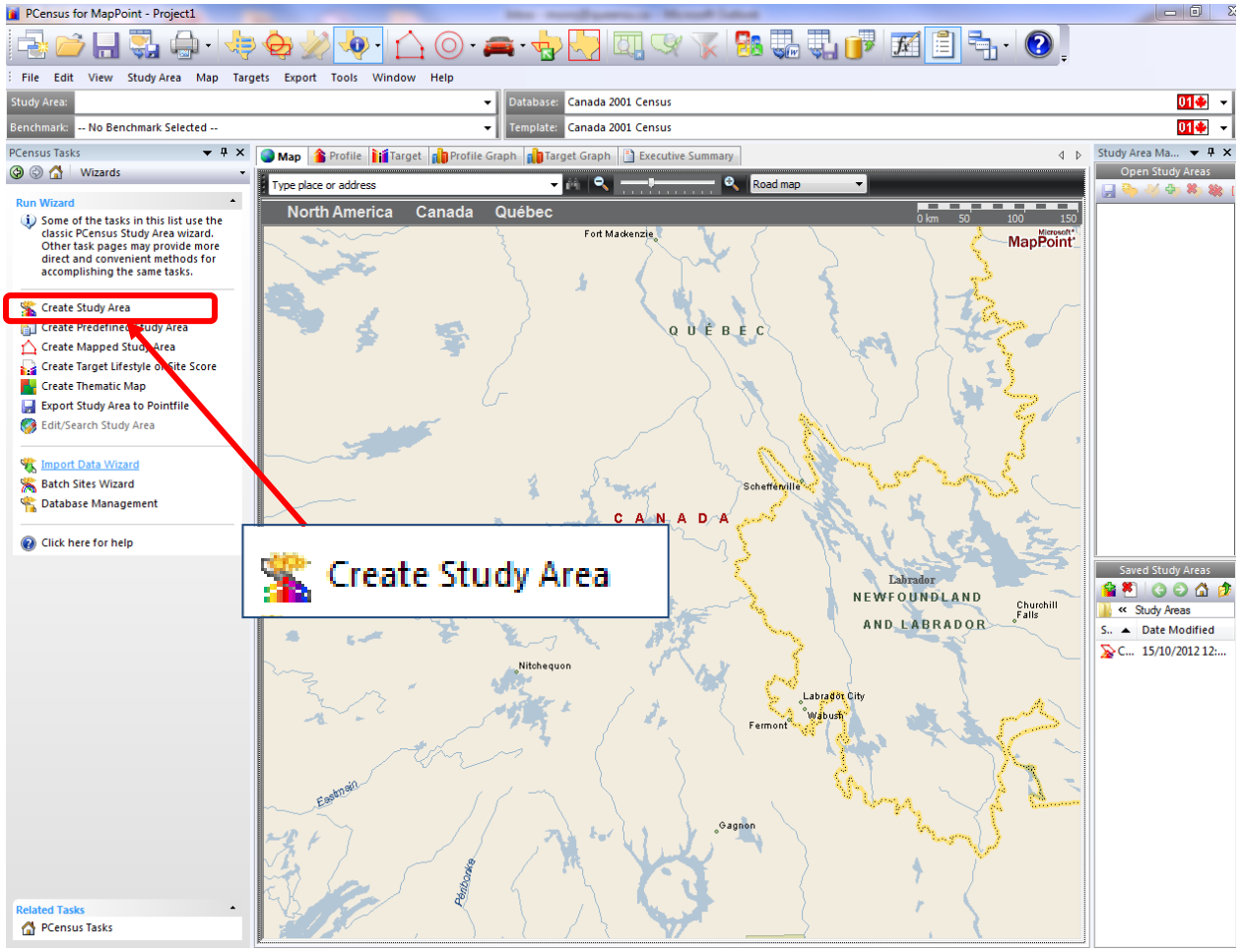


You'll get taken to the screen below.

NOTE: You need to change to the *Database* for the Census year you want: In this case, the **Canada 2001 Census** database has been selected.



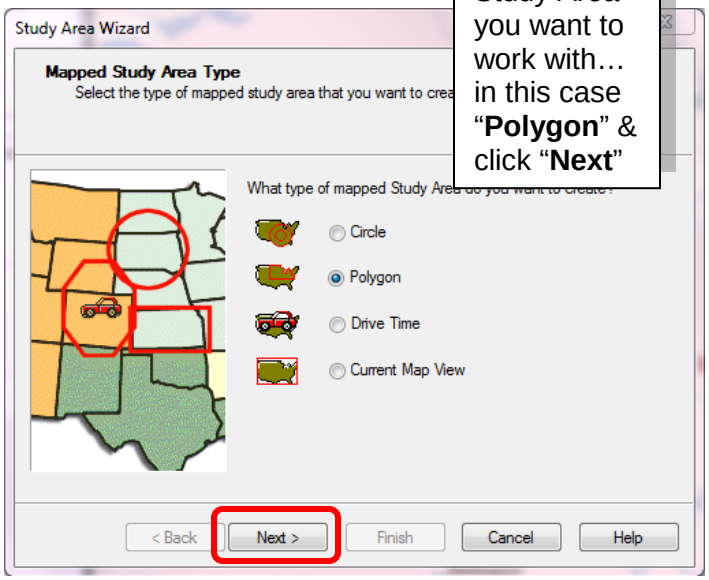
3. Then, on the left-hand menu, choose "**Run Wizards**"
4. Then, select the **"Create Study Area"**



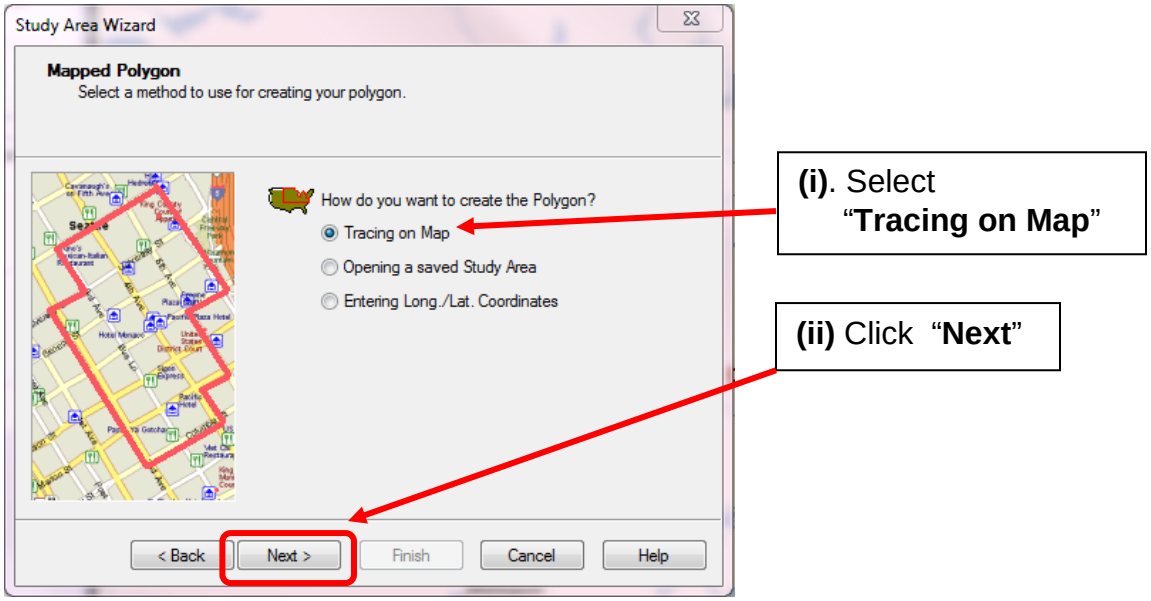
5. Then do the following:

Choose "**Use a Map to define polygon, circle, or drive-time**" & click "**Next**"

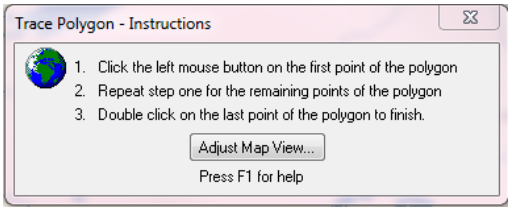
Choose the type of mapped Study Area you want to work with… in this case "**Polygon**" & click "**Next**"

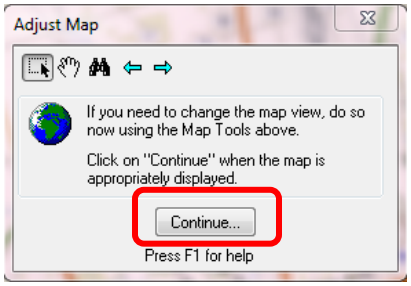


6. Then, select "**Tracing on Map**"

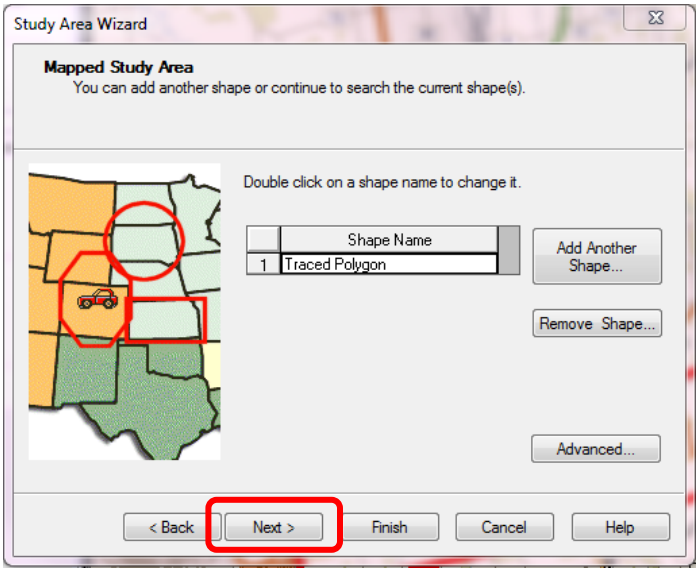


7. On the Next screen, you have the option to "**Adjust Map View**", or to proceeding to draw a polygon on the *current* map view. If you choose to adjust the map view, once you've completed your adjustments, click "**Continue**"…



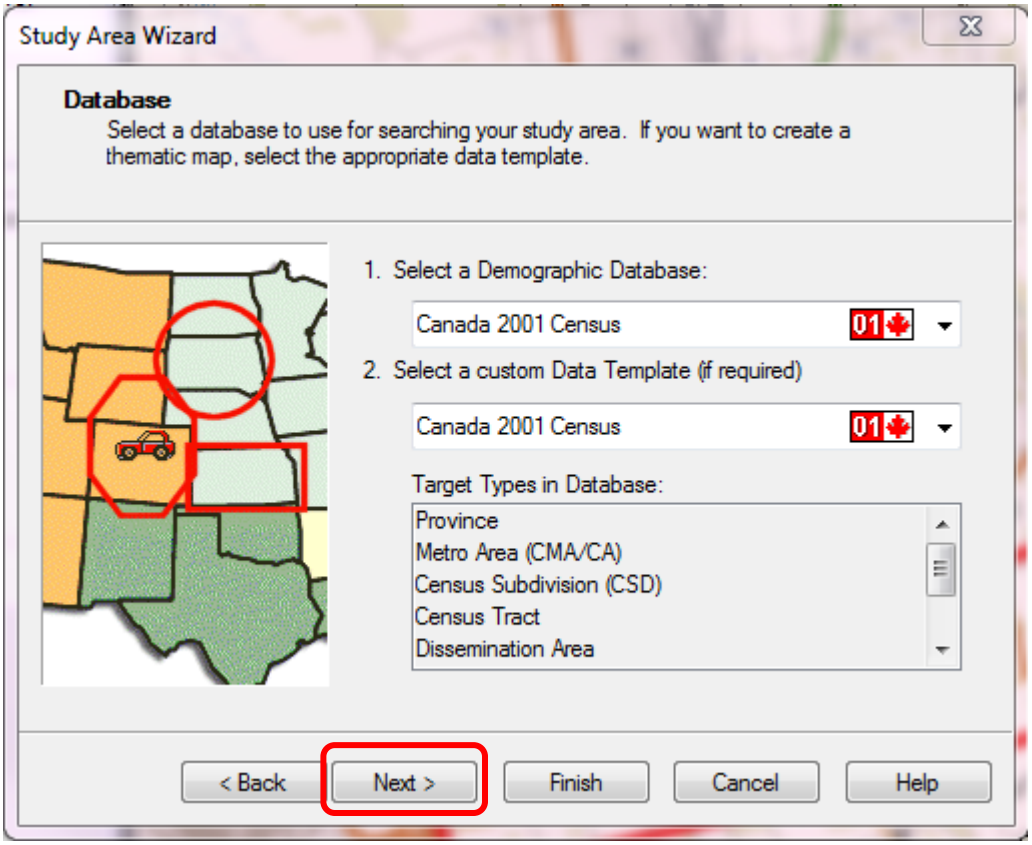


8. Once you have the map view you want, use the mouse to "*click-drag-click*" the outline of your polygon. *Double-click* to close off your polygon.

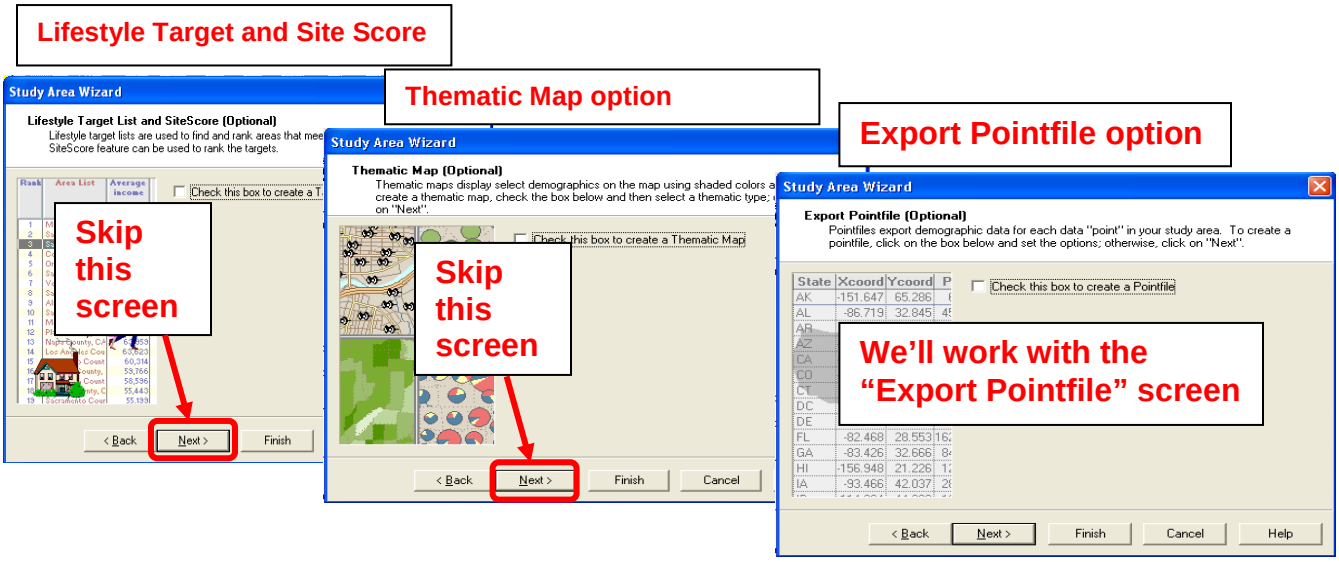


9. Click "**Next**"

10. On the “Database” dialogue window, choose the Demographic Database you want to work with… in this case the “Canada 2001 Census” database. Click “**Next**”.

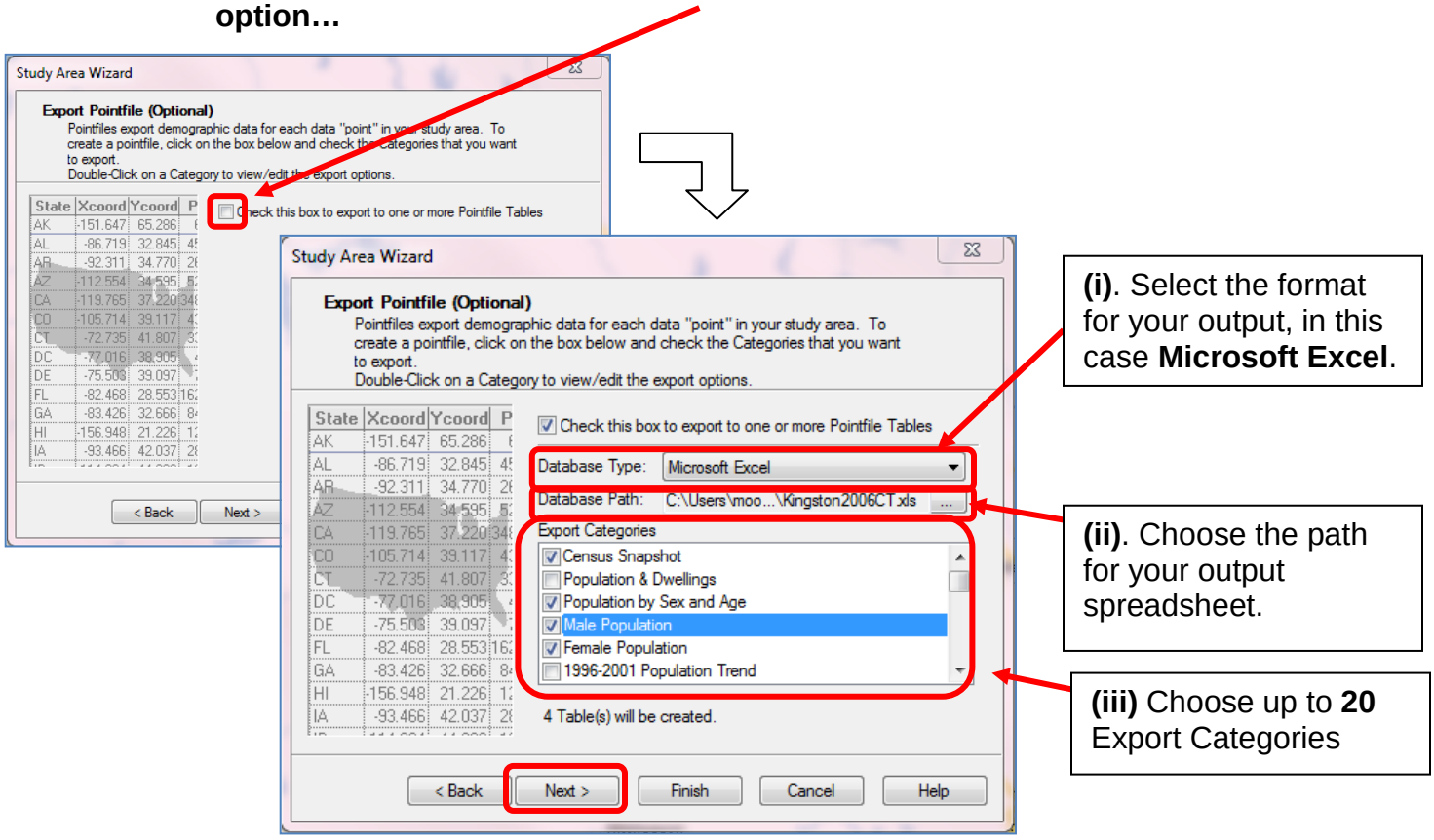


11. The next three screens provide you with a variety of output options. We want the *third* option “**Export Pointfile**”. Click ‘**Next**’ on the first two screens to skip them.



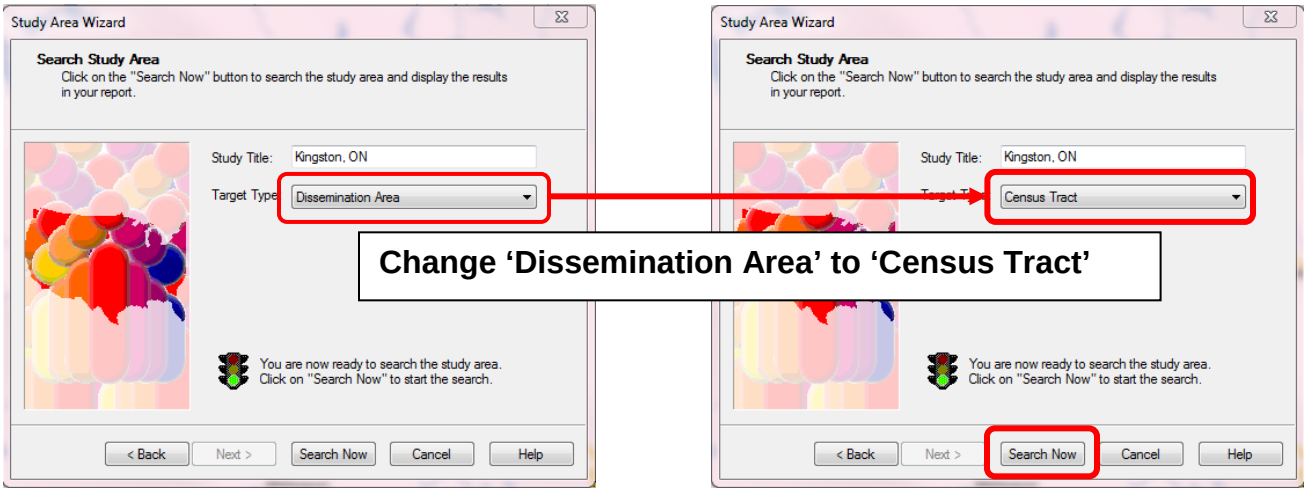
Export Pointfile: This option exports a spreadsheet file containing statistics for the **sub-parts** of the **larger geography** you have chosen (e.g. *all Census Tracts within your polygon*).

12. On the "**Export Pointfile**" screen, Tick the '**Check this box to export' option…**



13. Click "**Next**" to continue.

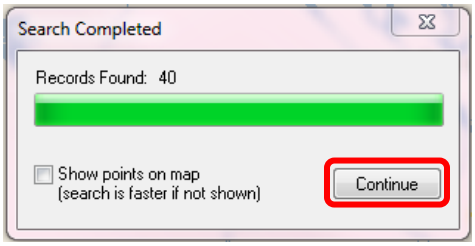
14. Change the '**Target Type**' to the geographic level you want in your spreadsheet (*in this example*, **<u>we want 'Census Tracts'</u>**, not 'Dissemination Areas'



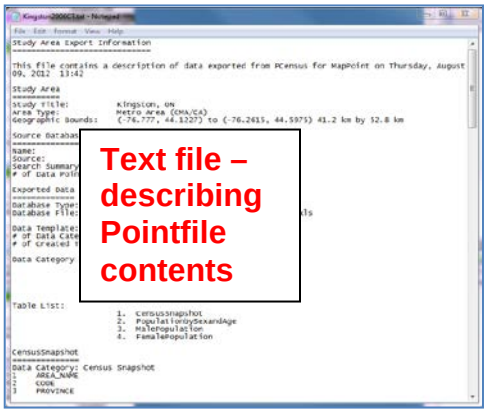
15. Click '**Search Now**'.

16. PCensus will search for Census Tracts within your Polygon.

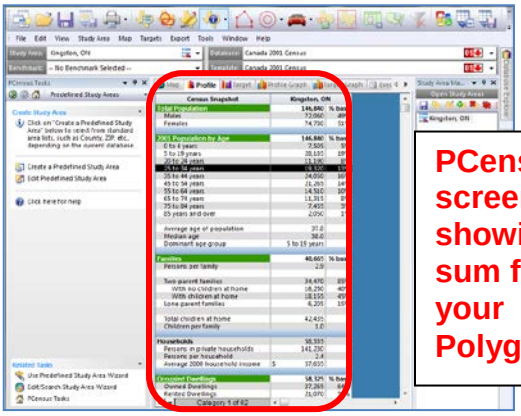
    Click '**Continue**'.



17. A text file should open, as shown below. This file describes the categories and variables you requested in your **Pointfile**. This file is saved in the same location you specified for your spreadsheet. Close the text file.



Text file – describing Pointfile contents

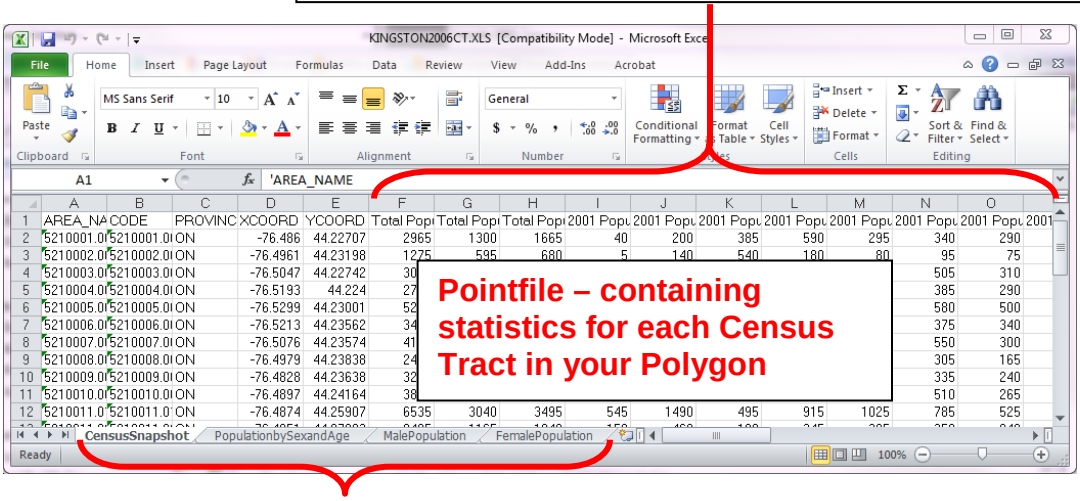


PCensus screen, showing sum for your Polygon

18. On the PCensus screen, you'll see a column of statistics for your Pointfile.

19. Your Census Tract spreadsheet (i.e. the 'Pointfile') is stored in the location you specified earlier. If you navigate to this file and open it, you should see a file like the one shown below:

Variables – Census variables for the currently active category worksheet (*see text file for more information*)



Geographic Codes (*Census Tracts*, in this example)

Pointfile – containing statistics for each Census Tract in your Polygon

Worksheets -- one for every category of statistics requested in the 'Pointfile'.