

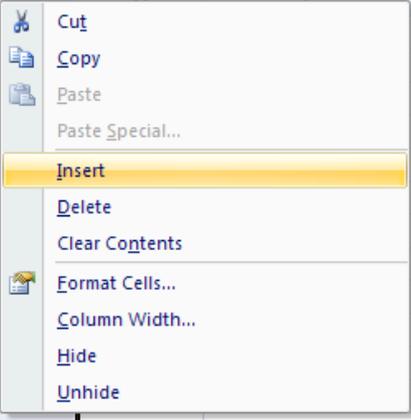
# Create a Population Pyramid in Excel

**Step 1** Decide which data you want to put on the left side of the graph, because we are going to need negative number for the data in order to put them on the left side of Y-axis. For example we want to put male population on the left side, which is highlighted below:

	A	B	C	D	E
1		Non-Indigenous		Indigenous	
2	Age	Males	Female Non-Indigenous	Males	Female Indigenous
3	0-4 years	580581	549434	28246	27316
4	5-9 years	603209	572621	29618	28336
5	10-14 years	634182	601567	29506	28075
6	15-19 years	632032	604533	24880	23621
7	20-24 years	613370	608742	18666	18838
8	25-29 years	574862	589159	14932	15903
9	30-34 years	626990	661502	14987	16479
10	35-39 years	658604	699104	14399	16479
11	40-44 years	667773	701125	12636	14263
12	45-49 years	660076	691055	10685	11848
13	50-54 years	603962	627441	8610	9371
14	55-59 years	575166	583322	6265	6956
15	60-64 years	449181	448794	4230	4750
16	65 years and over	1099569	1348872	6414	8709

**Step 2** We need to get negative number for those highlighted number. What we need to do is insert another two columns right beside Males data:

B	C	D	E
Non-Indigenous			
Males	Female Non-Indig		
580581			
603209			
634182			
632032			
613370			
574862			
626990			
658604			
667773			
660076			
603962	627441	8610	9371



Then we need to put this formula "**=B3\*-1**" into cell **C3**: (meaning the result in cell C3 is equal to the value in cell B3 multiply by -1).

SUM			=B3*-1	
	A	B	C	
1		Non-Indigenous		
2	Age	Males	Male Non-Indigenous	
3	0-4 years	580581	=B3*-1	
4	5-9 years	603209		
5	10-14 years	634182		

Instead of enter the formula in each cell one by one; we just need to copy the formula in cell **C3** to each cell. First move your mouse to the little black square here.

Then drag it down to the last column. Do this for both Males' data, then you will get something like this:

	A	B	C	D	E	F	G
1		Non-Indigenous			Indigenous		
2	Age	Males	Male Non-Indigenous	Female Non-Indigenous	Males	Male Indigenous	Female Indigenous
3	0-4 years	580581	-580581	549434	28246	-28246	27316
4	5-9 years	603209	-603209	572621	29618	-29618	28336
5	10-14 years	634182	-634182	601567	29506	-29506	28075
6	15-19 years	632032	-632032	604533	24880	-24880	23621
7	20-24 years	613370	-613370	608742	18666	-18666	18838
8	25-29 years	574862	-574862	589159	14932	-14932	15903
9	30-34 years	626990	-626990	661502	14987	-14987	16479
10	35-39 years	658604	-658604	699104	14399	-14399	16479
11	40-44 years	667773	-667773	701125	12636	-12636	14263
12	45-49 years	660076	-660076	691055	10685	-10685	11848
13	50-54 years	603962	-603962	627441	8610	-8610	9371
14	55-59 years	575166	-575166	583322	6265	-6265	6956
15	60-64 years	449181	-449181	448794	4230	-4230	4750
16	65 years and over	1099569	-1099569	1348872	6414	-6414	8709

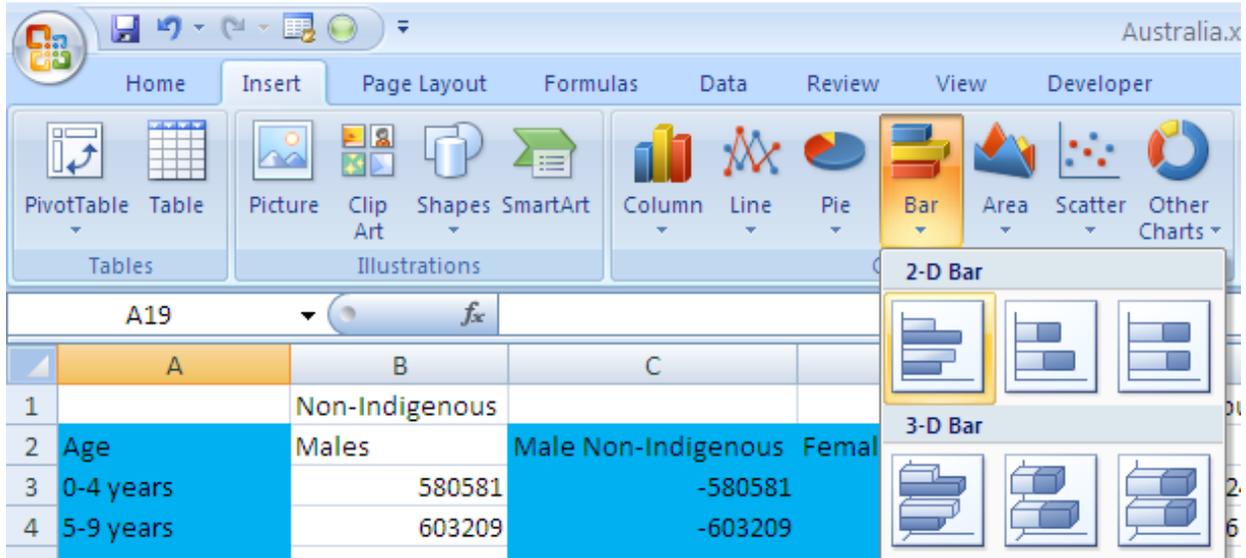
Then we just need to select the **Negative Male Data and Female Data**, make sure you don't select any blank cells, and non-relative cells. Do it slowly!

The columns we are going to use is highlighted as below:

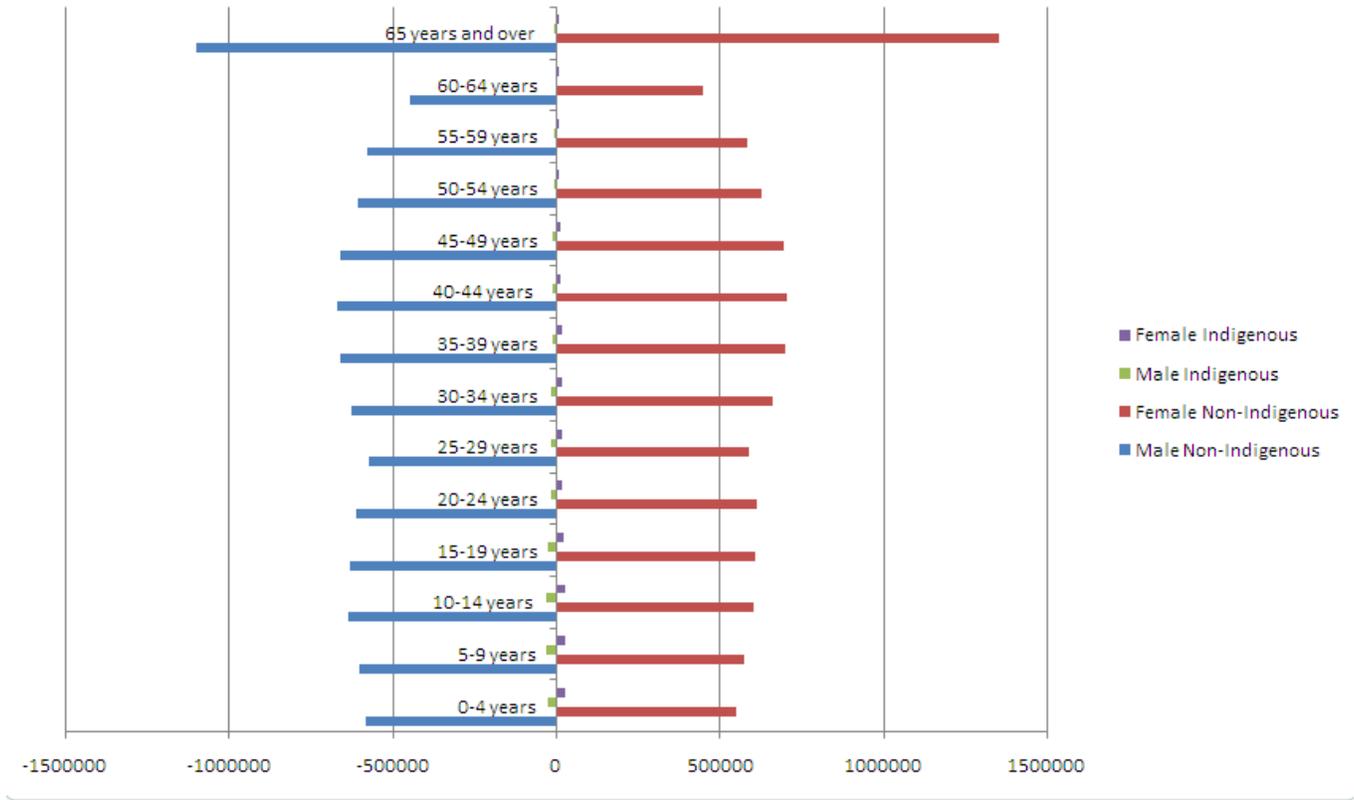
	A	B	C	D	E	F	G
1		Non-Indigenous			Indigenous		
2	Age	Males	Male Non-Indigenous	Female Non-Indigenous	Males	Male Indigenous	Female Indigenous
3	0-4 years	580581	-580581	549434	28246	-28246	27316
4	5-9 years	603209	-603209	572621	29618	-29618	28336
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15	60-64 years	449181	-449181	448794	4230	-4230	4750
16	65 years and over	1099569	-1099569	1348872	6414	-6414	8709

# Step 3

After you select the data, go to **Insert** tab > **Bar Chart**



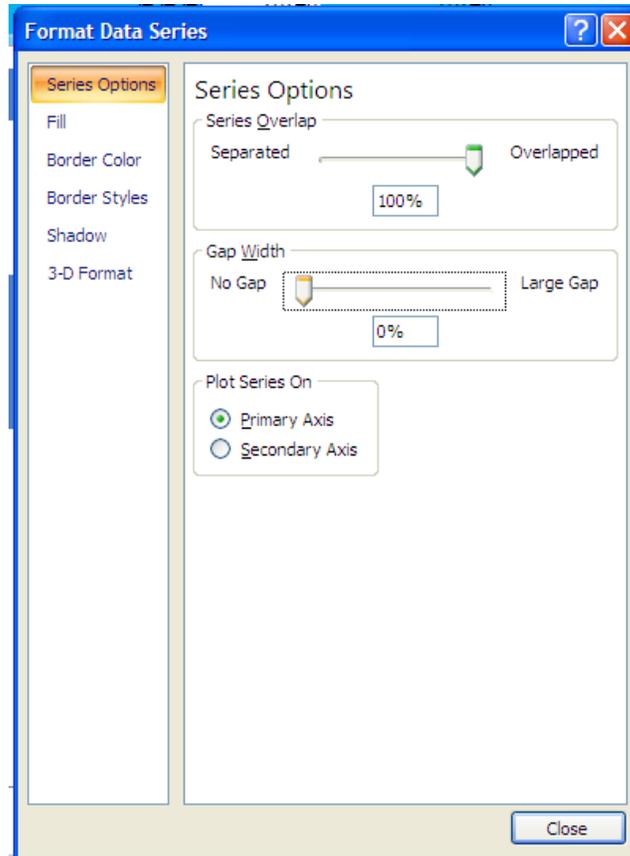
Then you should have a graph looks like this:



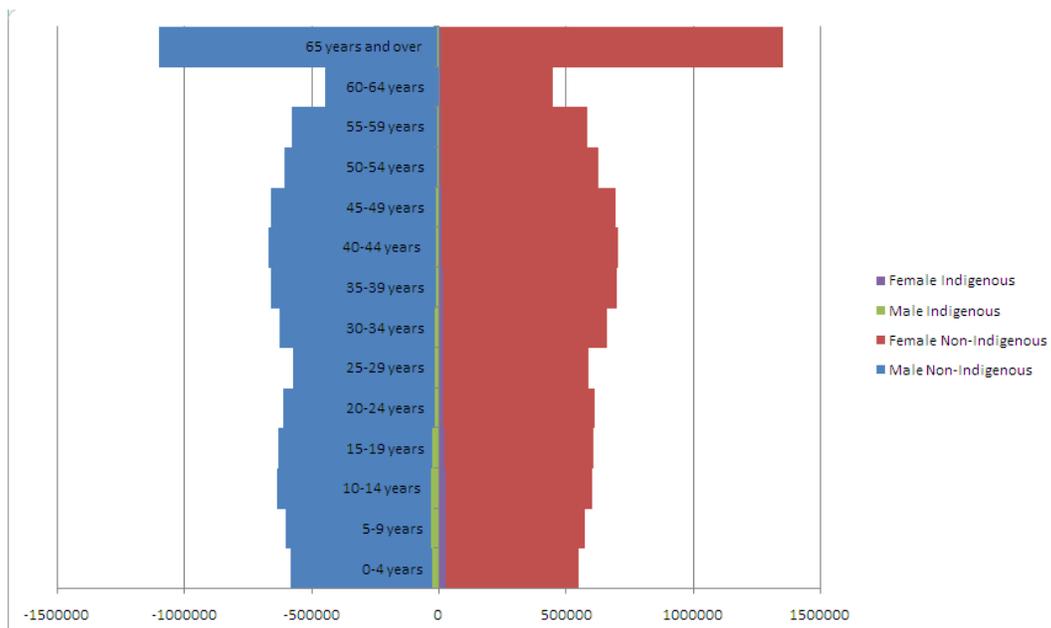
# Step 4

Now we just need to fix the graph, first we just right click on any of the color bar,

then you will get a window like this, then change the two slider like the following graph



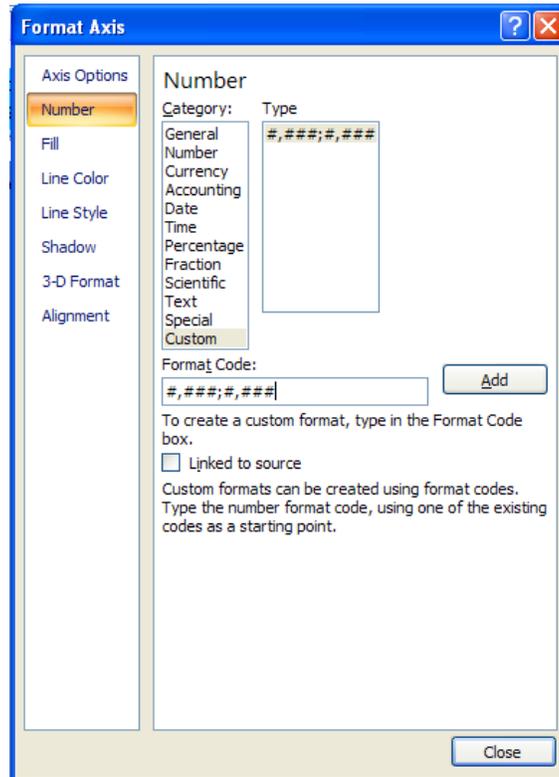
Then your graph should become like this:



# Step 5

If you pay attention to the number on X-axis, you will notice that there are negative

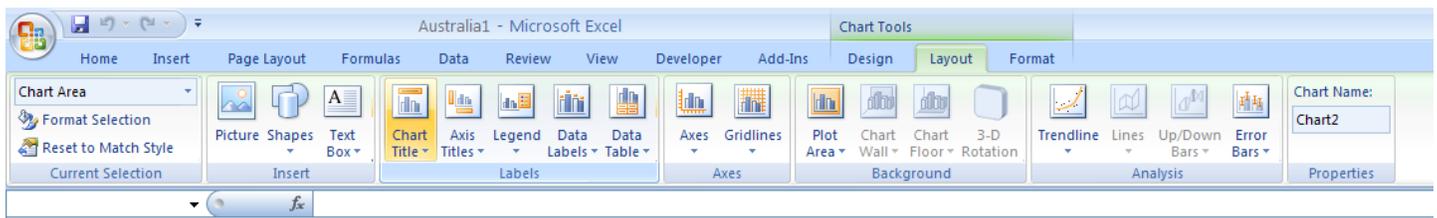
numbers, but population cannot be negative, so we are going to fix that. Just right click on one of the negative number, than go to **Format Axis**, on the left side of the new opened windows, click on **number**, than **customer**, and enter this format code "**#,###;#,###**" and **Add**. Now close the window and you will see all the number is positive.



# Step 6

The last step is to move the graph to a new sheet, we just right click on the blank

area on the graph, and then **Move Chart**, select **New Sheet**, then **OK**. After you move your chart to a new sheet, you can go to top of the window, you will see a new tab highlighted, called **Chart Tool**, click **Layout**, then you can add a title to the chart and axis label as well. Now you should have a nice looking Population Pyramid ready to print.



# Population Pyramid for Australia (2006)

