

### To make a Box-and-Whisker plot

1. Make a bar graph on excel from the averages of your discrete data.
2. Open the program: Fathom 2
3. Drag the table icon at the top of the page onto the workspace
4. Immediately save the document under a name you will remember
5. Put the name of your first category in the first box labeled <new>. A new box should appear beneath it.
6. Begin to add all of the data that you averaged together to make your bar for that category. Each time you add a number, a new box should appear below it. Do not worry if you end up with a blank box at the end.
7. Add your next category in the next box labeled <new> and repeat the procedure above for adding data. Repeat these steps for as many sets of data as you have bars for on your bar graph.
8. Drag the graph icon at the top of the page onto the workspace under your table.
9. Drag the name of the first column (your 1<sup>st</sup> set of data) onto the y-axis of the graph.
10. Change the type of graph from dot plot to box plot in the upper right hand corner of the graph.
11. Drag your next category from your data in the table above onto the y-axis. BE SURE TO DRAG IT ONTO THE PLUS SIGN (+) AT THE TOP OF THE AXIS TO ADD IT TO THE ORIGINAL.
12. Repeat until all of your data has been added to the graph.
13. Choose “View in Window” from the object window