

This is "Microsoft Excel Techniques", chapter 16 from the book <u>Designing Business Information Systems: Apps, Websites, and More (index.html)</u> (v. 1.0).

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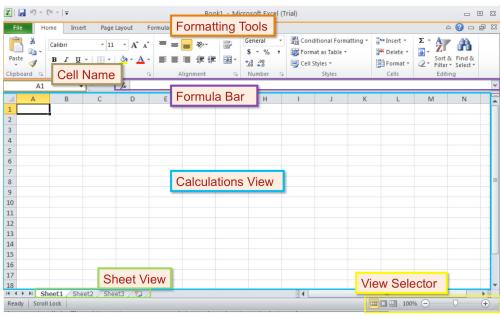
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## **Chapter 16**

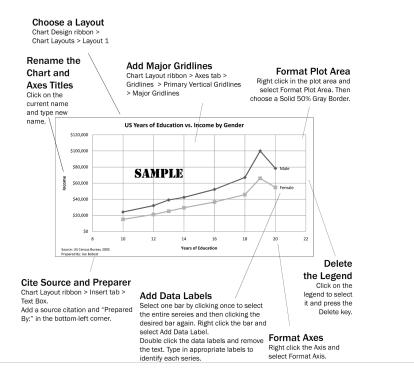
## **Microsoft Excel Techniques**



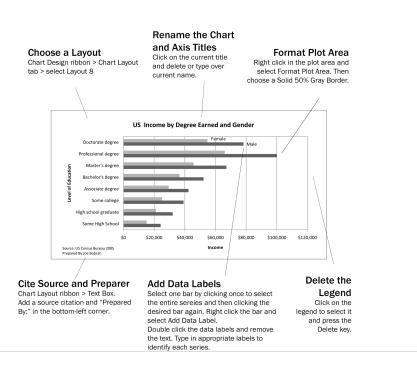
**Overview Map of Interface**—Reference this map to navigate the Excel interface.

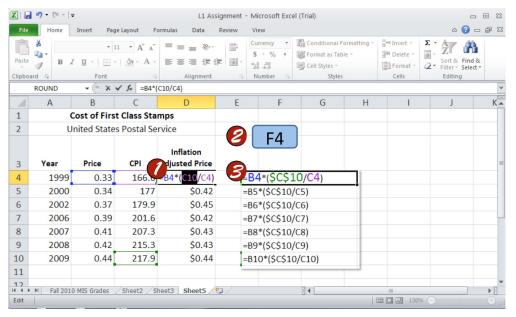
## **Best Practice Formatting - Scatterplot**

Start with Choosing a Layout. The order of the techniques is not critical.

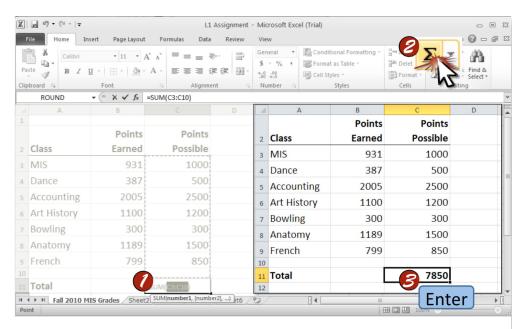


**Best Practice Formatting - Bar Graphs Start with Choosing a Layout.** The order of the techniques is not critical.

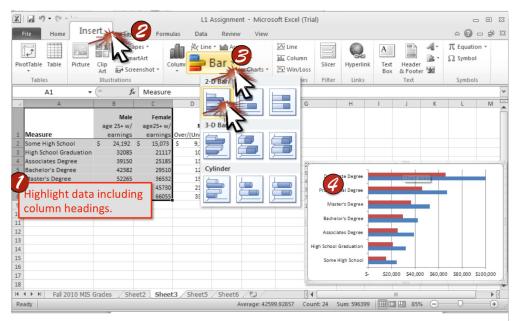




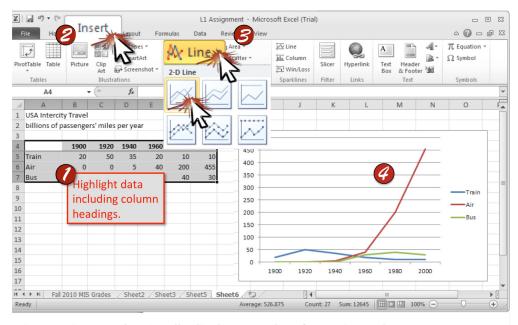
**Absolute Reference**—Maintain your reference to a specific cell in a formula that is copied to other cells. Without making an absolute reference, the formula will use the content of the adjacent cell in its calculation.



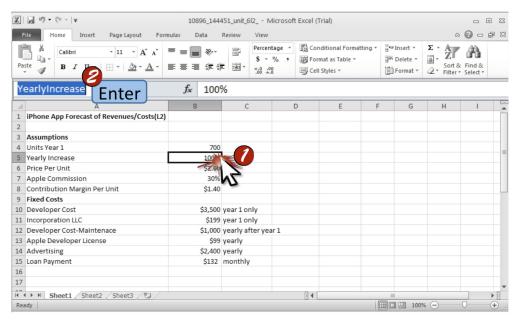
**AutoSum**—Use this function to automatically find the total of the cells you indicate. The total will automatically update if the values within the cells are changed.



**Bar Graph-Multi-Series**—Visually display your data for easier and more dramatic understanding. Bar graphs are used to compare categorical information between different groups.



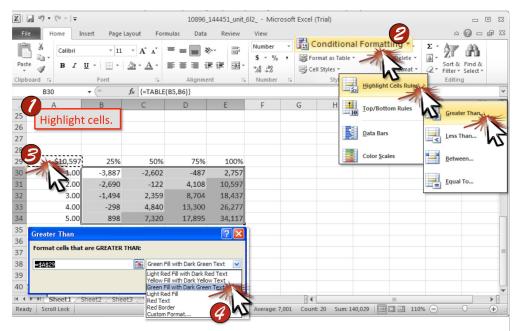
**Time Series Graph**--Visually display your data for easier and more dramatic understanding. Time series graphs are used to compare data over time.



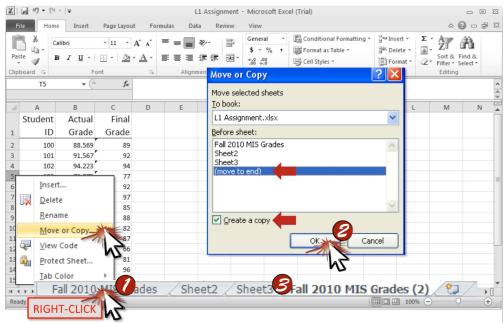
**Cell Name-Create**—Give a specific cell a unique name. You can reference this cell by its name in formulas in other areas of the spreadsheet. Named cells function as absolute references when copied—they don't change.



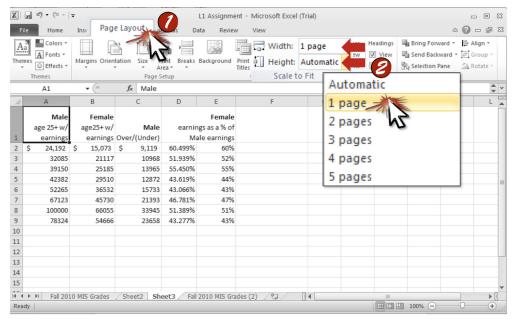
**Cell Name-Delete**—Remove the name you gave a specific cell. Delete a cell name if you are rearranging your spreadsheet or no longer are referencing that cell.



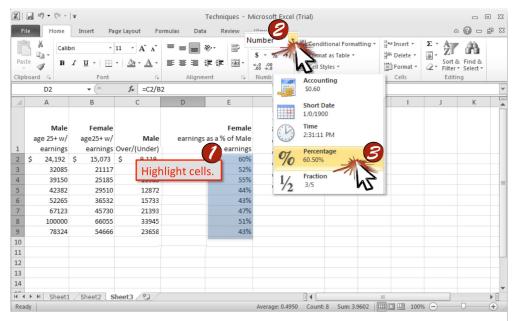
**Conditional Formatting**—Use this tool to display your information in a visual way. Set formatting rules to emphasize your main point.



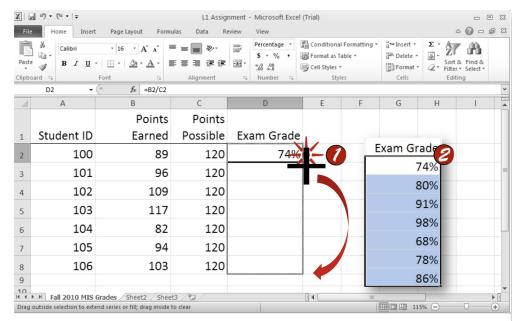
**Duplicate Sheet**—Make a copy of your document. Duplicate a sheet if you want identical data on a separate worksheet in the same Excel file.



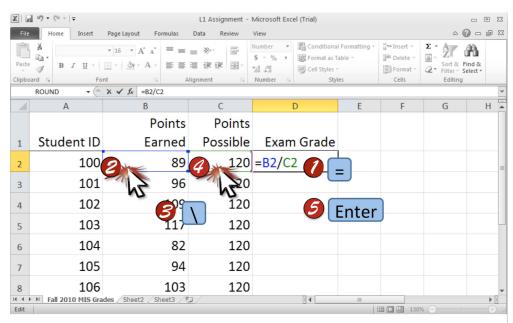
**Fit to One Page**—Use this feature to have Excel resize your spreadsheet to fit to the width of a single page. In this example the height is left automatic to allow multiple pages. Fit to one page avoids cutting off columns.



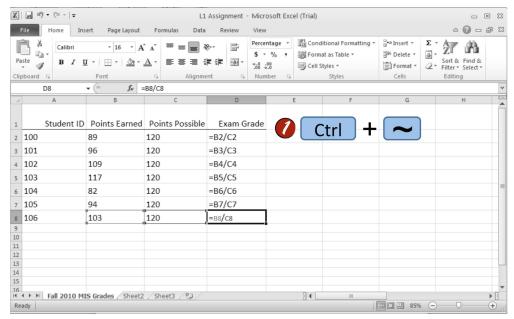
**Format Number**—Use this to designate what type of numbers the spreadsheet is maintaining. Format your numbers to options like currency, percentages, date, time, and so forth.



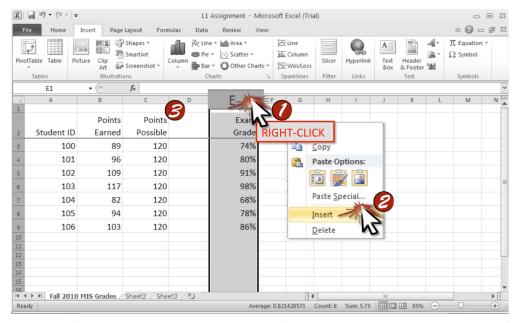
**Formula-Copy**—Use the same formula for a series of adjacent cells in a spreadsheet. This will save you time and ensure that the formulas are consistent.



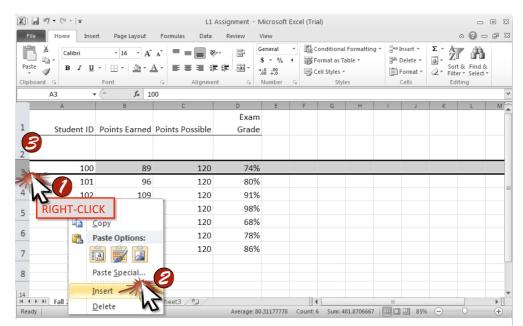
**Formula-Create**—Use formulas to complete simple to complex mathematic functions throughout your spreadsheet. Always begin a formula with the "=" sign. Link to an existing cell simply by clicking it while constructing a formula.



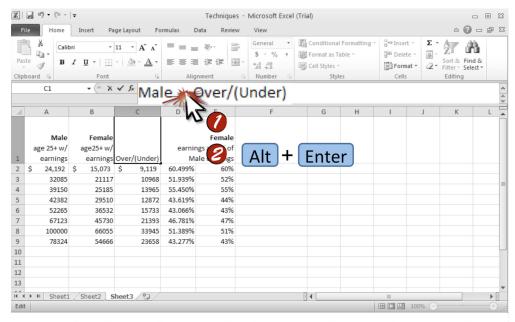
**Formula Mode**—View your spreadsheet in this mode to see the formulas each cell contains. This mode can help you see relationships between cells and can help you find errors in your formulas.



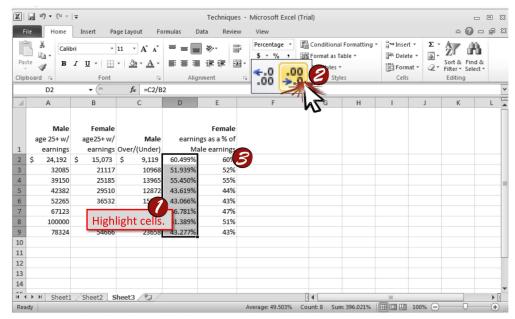
**Insert Column**—Place an additional vertical column to your spreadsheet. The column appears to the left of the selected column by default.



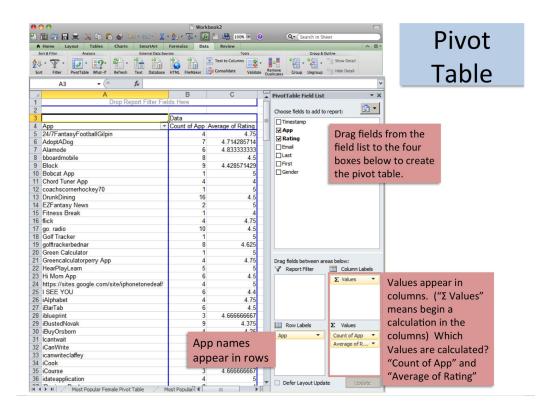
**Insert Row**—Place an additional horizontal column to your spreadsheet. The column appears above the selected row by default.

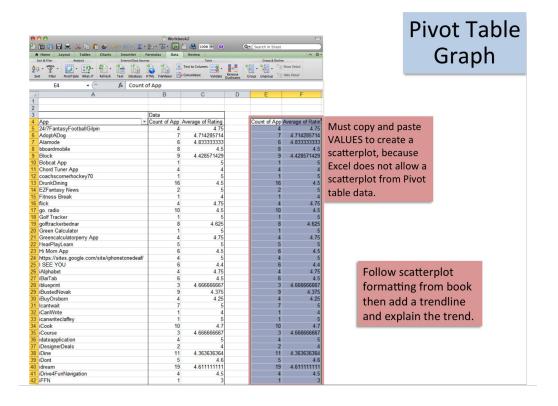


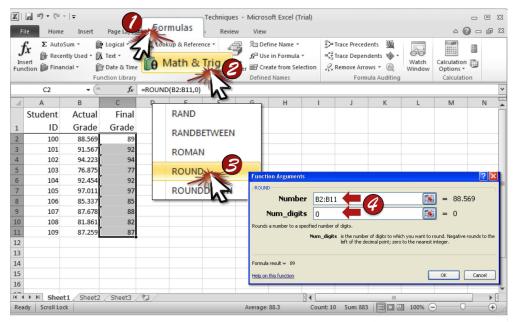
**Line Break within a Cell**—Force a line break in a cell to organize text. Follow this key stroke to move to the next line, simply striking "Enter" will move you to a separate cell.



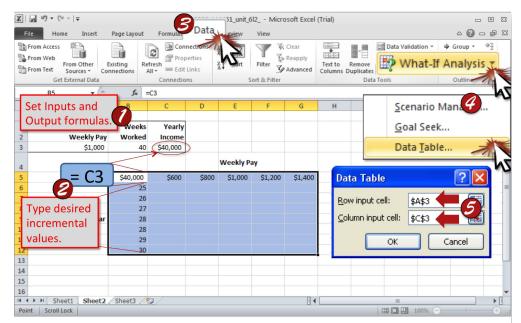
**Move Decimal Point**—Display more digits following the decimal point. In business, rarely show more than two decimal points. Avoid decimal points for numbers greater than 100.



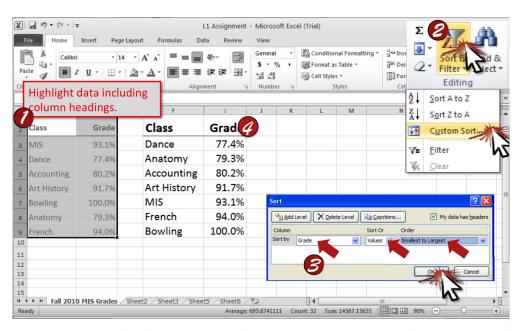




**Round Number**—Format your cells to automatically round your numbers to your specific settings. You can round numbers up, down, and to your desired number of digits.



**Sensitivity Analysis**—Use this feature to show the various output values achieved by combining incremental values of two inputs. This analysis will support decision-making and the development of future actions.



**Sort Data**—Use this feature to organize your spreadsheet based on your desired field. By sorting the data, you can strengthen the impact of your message and help the reader understand more clearly.