Filtering Data In Excel
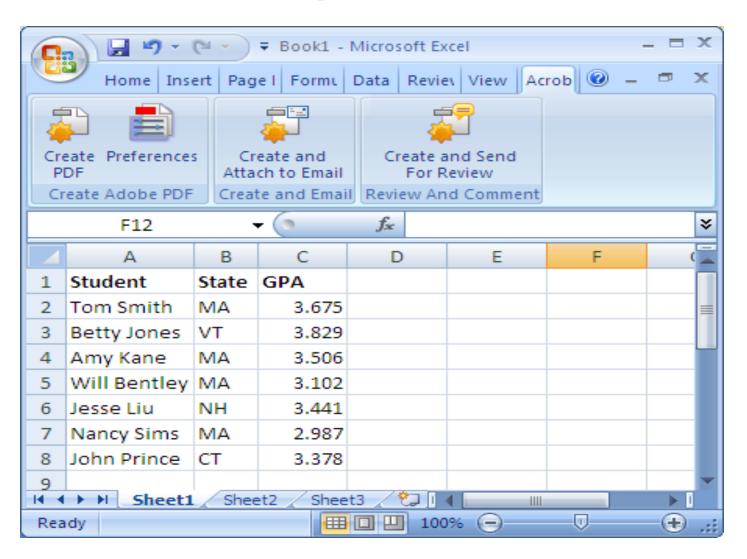
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Example Problem

- You are given a spreadsheet like the one on the next slide

- You are asked to find the average QPA for the MA residents and the average QPA for the non-MA residents.
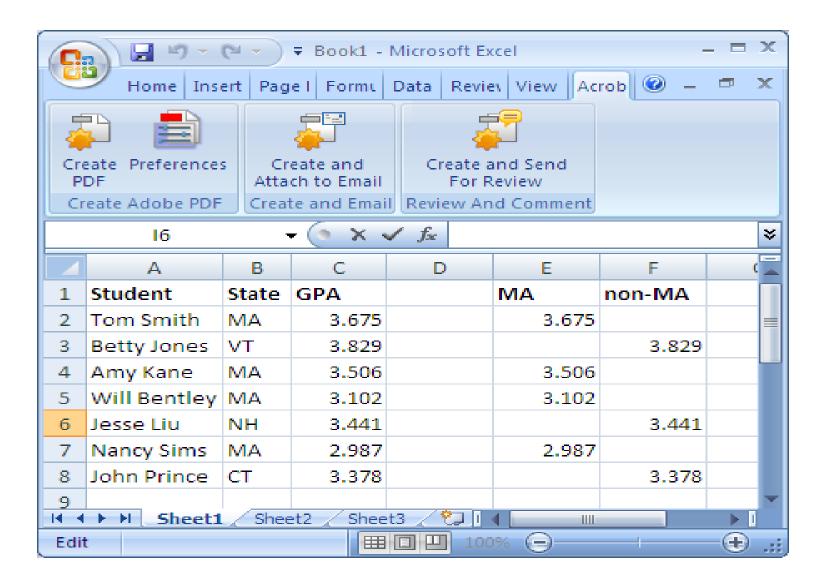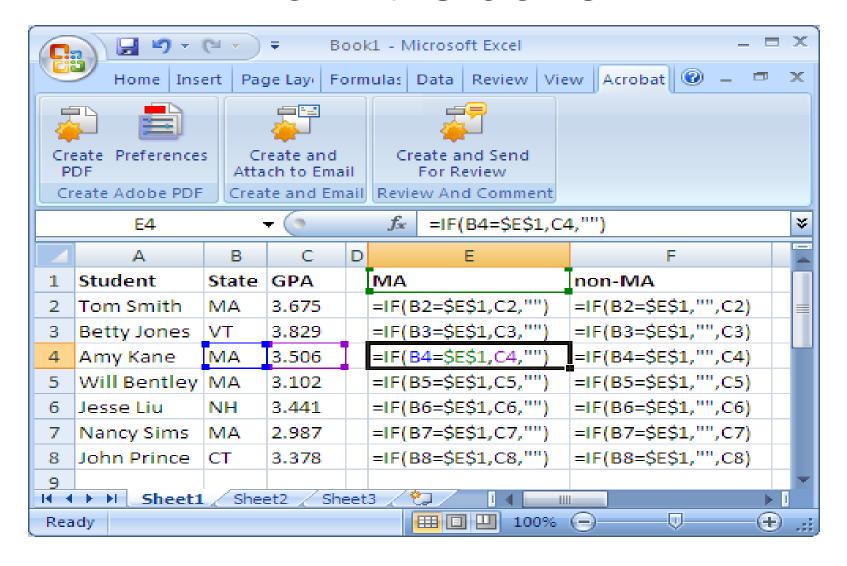
Example Problem

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- What we will do is filter the qpa data into columns based upon the state information.

- We want to make sure that the given data is hard-coded in only one place, so that if the data changes, our answers will change appropriately

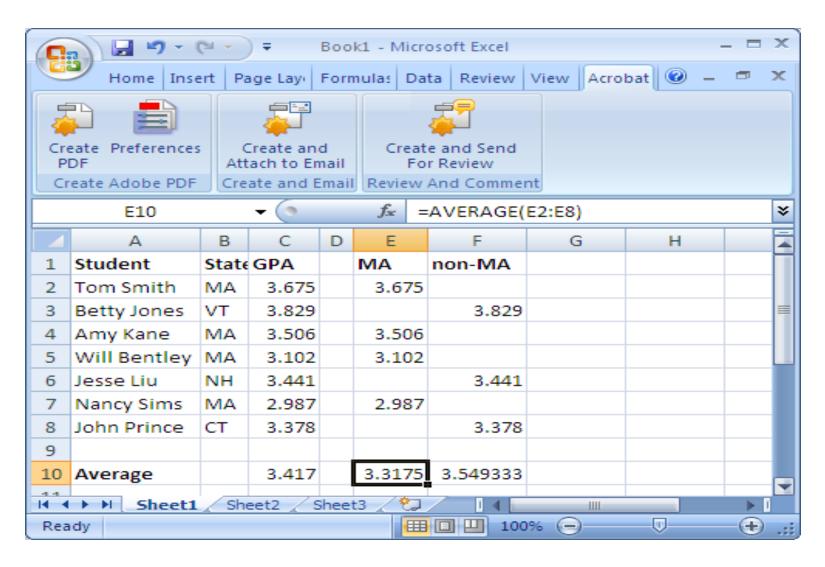- We will use excel's `if` formula to achieve our goals

Data Filtered into Columns

How it is done

Now Calculating Averages

AverageIf

- The technique shown in these slides is of *general* use.

- For the *particular* problem shown in these slides, there is another solution, which is to use the `averageif` function. (There is also a `sumif` and a `countif` function)

- There are many cases where the technique shown here is necessary, because there are no special functions to do job.