

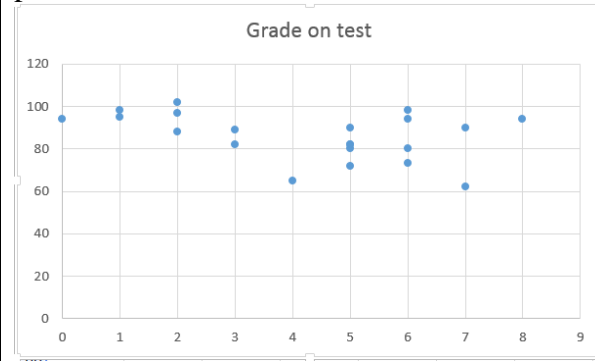
| How dressed up on test day | Grade on test |
|----------------------------|---------------|
| 5                          | 90            |
| 5                          | 82            |
| 4                          | 65            |
| 2                          | 97            |
| 3                          | 89            |
| 1                          | 98            |
| 1                          | 95            |
| 5                          | 72            |
| 7                          | 90            |
| 5                          | 80            |
| 8                          | 94            |
| 6                          | 98            |
| 5                          | 82            |
| 6                          | 73            |
| 2                          | 88            |
| 2                          | 102           |
| 3                          | 82            |
| 0                          | 94            |
| 6                          | 94            |
| 6                          | 80            |
| 7                          | 62            |

**STEP ONE: enter the data**

When making a scatter plot it is important that you pair the responses. So each person's answer is one row. HINT. If you are using survey monkey, click on analyze results and then individual responses and you can see what each person said

**STEP TWO: Make the graph**

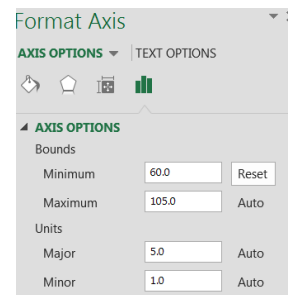
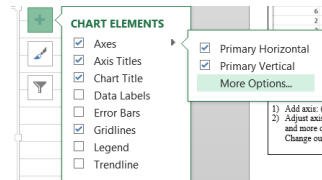
Select all the data, go to insert and then click the scatter plot.



**STEP 3: Make it more useful visual**

The automatic graph it gives us is not very helpful to see any trends so we need to modify it

- 1) Add axis: (+ add axis titles)
- 2) Adjust axis: Since we have no grades lower than a 60 we can have our graph start at 60. Go to +, axes arrow and more options. Click on the vertical axis scale (0,20,40...) Click the bar icon and choose axis options. Change our min and max to 60, 105.
- 3) You can also change the style and color
- 4) If you want to add a trend line (line of best fit) you can do that under +



**Scatter plots are GREAT to show connection between two specific variables. There are especially use to prove/disprove hypothesis connecting two specific things**

