Using MS Excel 97 for M119

• Begin by selecting the data in Excel that you want to model. It should usually consist of two rows with your “x” row on the bottom and your “y” row on the top. Use your mouse to drag-select the area of data you will work with:

<table>
<thead>
<tr>
<th>p</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
</tr>
</thead>
</table>
| q  | 40 | 25 | 13 | 5  | dollars units

• Click on the Chart Wizard Button:

• This will bring up the following screen. You will want to select the XY (Scatter) Option. Select the first chart option that does NOT connect your data points with any lines or curves. Then click the Next button at the bottom of the screen.
• If you have selected your data to be graphed before starting the Chart Wizard, Step 2 in the Wizard will already be filled in for you. You can select the Next button here as well.

![Chart Wizard Step 2](image)

• When the Step 3 Window appears, choose the Next button immediately (unless you want to add a title or change axis or grid information.)

• When the Step 4 window appears, click Finish to draw the graph.

Adding Trendline
• From the Chart menu, select the Add Trendline... command: Select the appropriate model, for now select the Polynomial, and then click on the Options Tab:
• In the next window, select the check boxes that will Display the Equation. Then click OK to generate the trendline equation.

The trendline will now be generated, along with the appropriate equation:

\[ y = 0.07x^2 - 4.79x + 80.95 \]