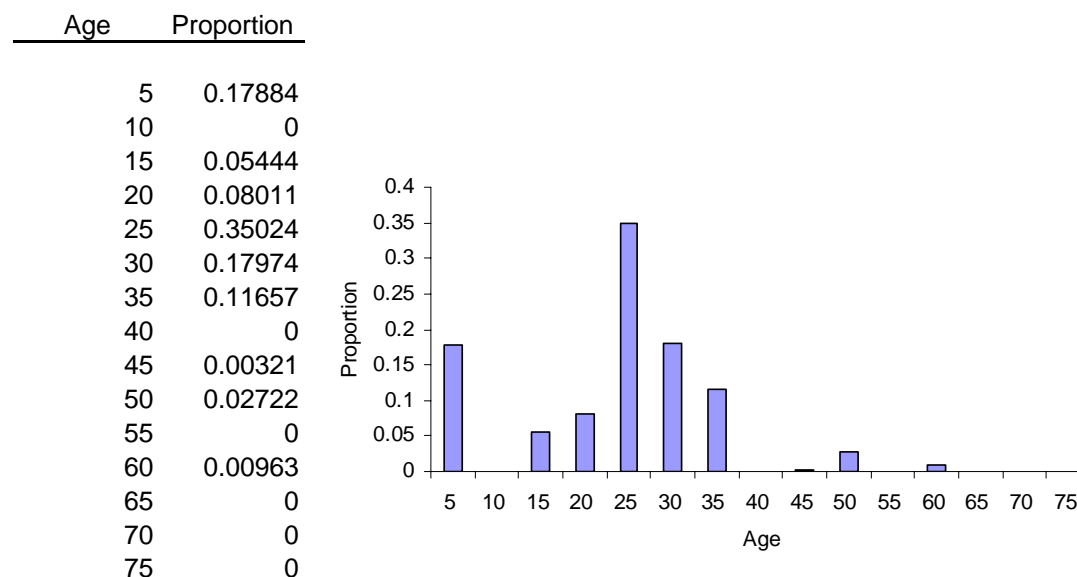


TableCurve2D example

James Raymer

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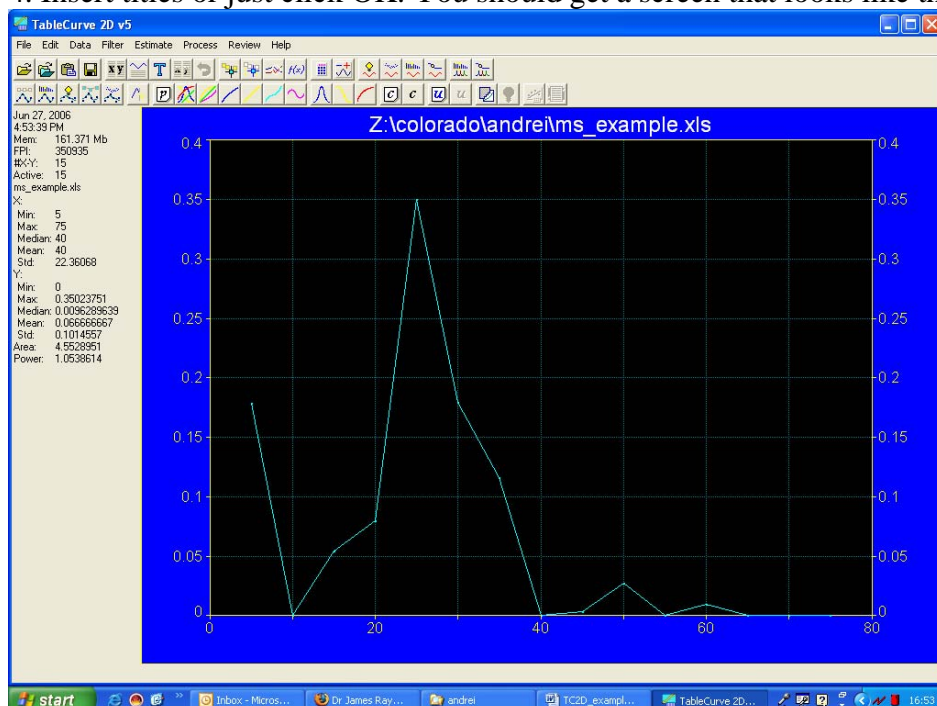
Consider the following age-specific migration flow data contained in the Excel spreadsheet file (ms_example.xls):



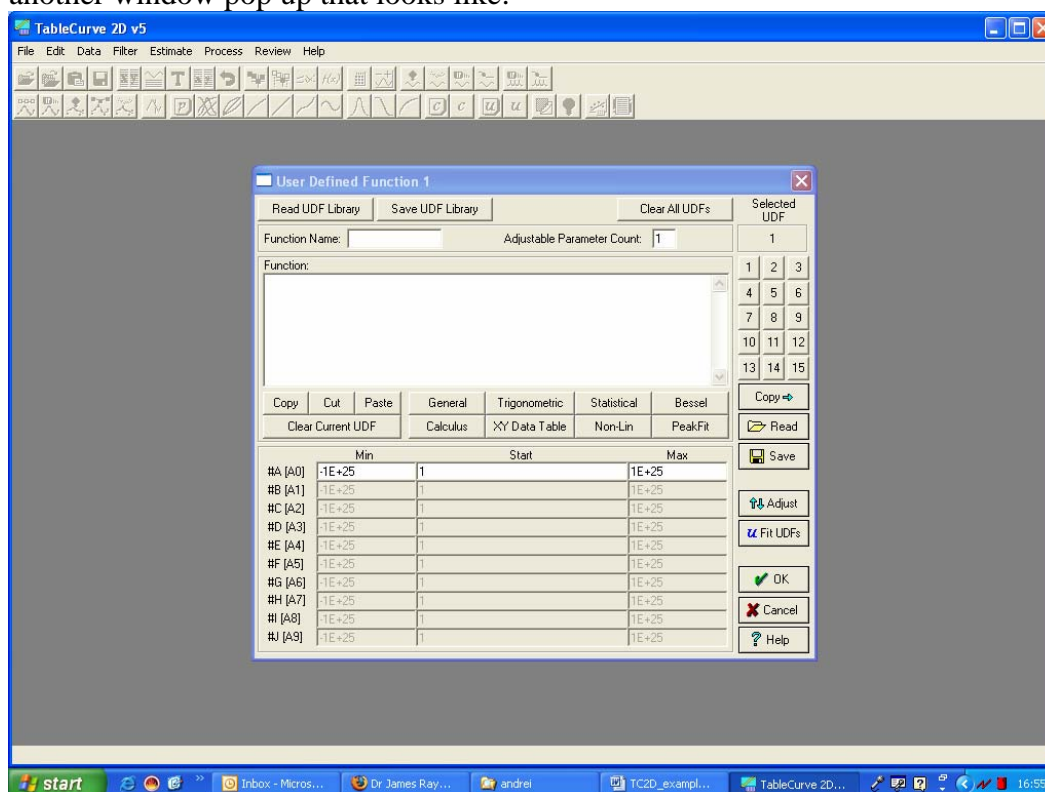
To fit a model schedule to this profile, use the following steps:

1. Open TableCurve2D
2. Select **file / import** (browse to find **ms_example.xls**)
3. When you select the file, a box titled "Select Columns for X-Y table" should appear. The first column in the Excel file is X-column and the 2nd one is the Y-column. So, first click on "(1)Sheet1!A" and then click on "(1)Sheet1!B". If you mess this up, don't worry. You can simply select a particular column and then click on the X-values or Y-values button. Click OK.

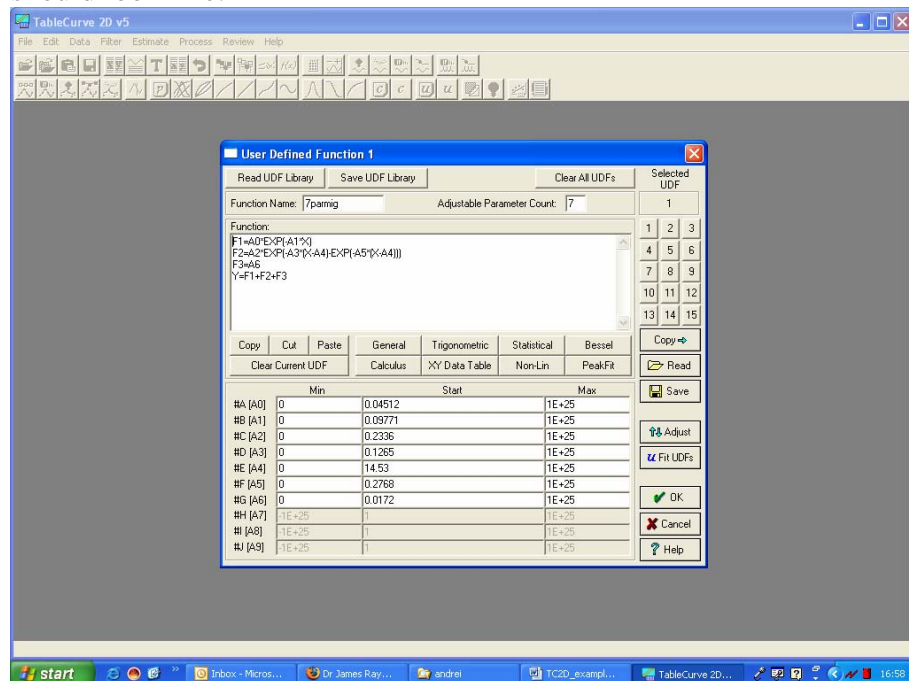
4. Insert titles or just click OK. You should get a screen that looks like this:



5. To fit a model schedule to this age profile, select **process / user functions**. This should make another window pop up that looks like:

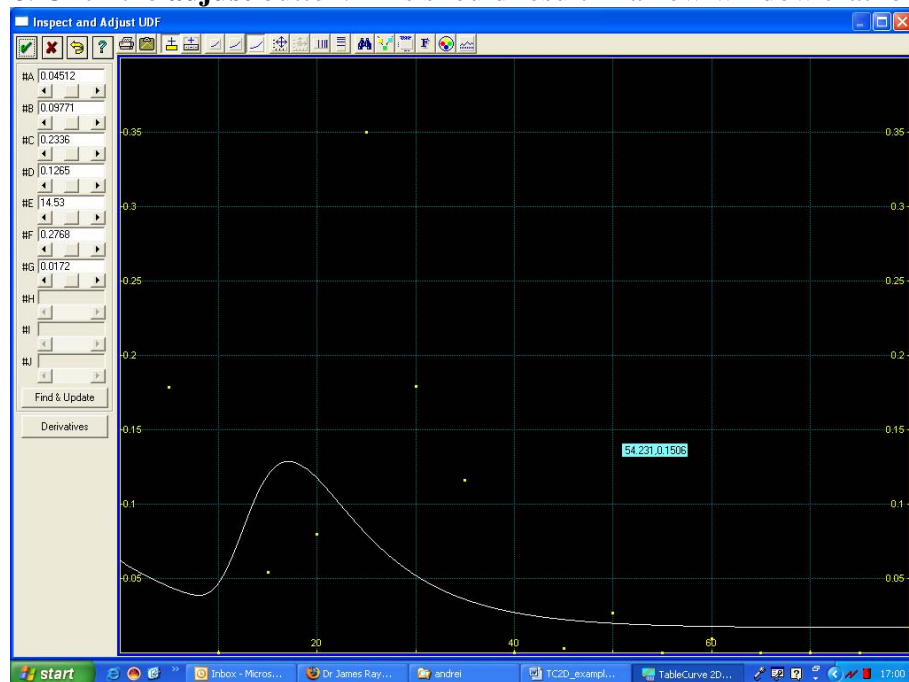


You can either type in the model schedule function or click on **read udf library** to find a saved function. For this example, you can use the file **7PARMIG.UDL**. When you do this, the window should look like:

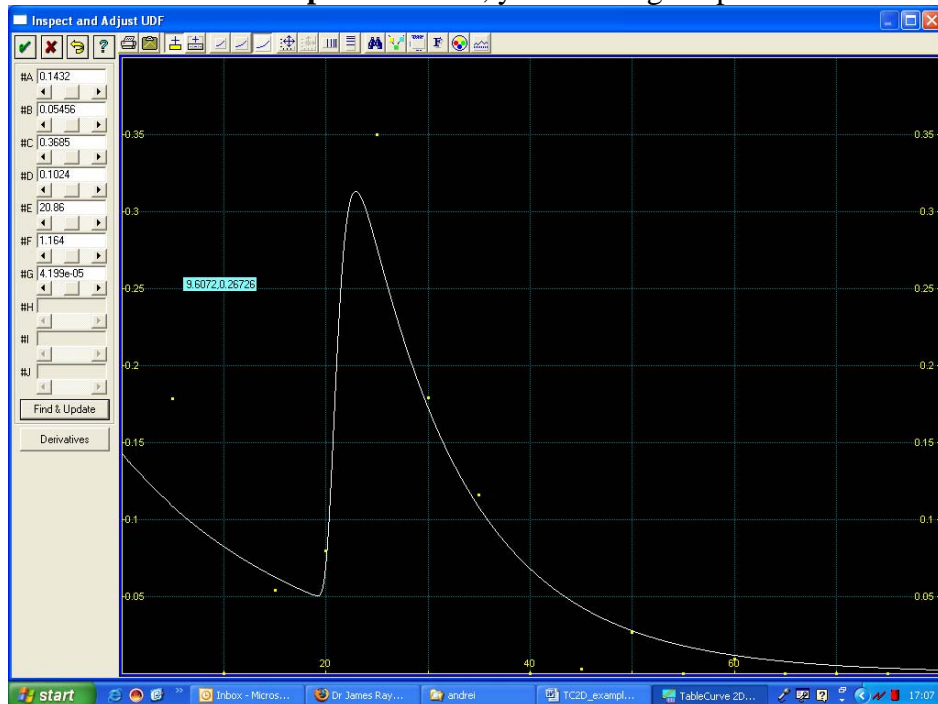


Take note of how the functions are set up and the initial parameter values, which are constrained to be positive.

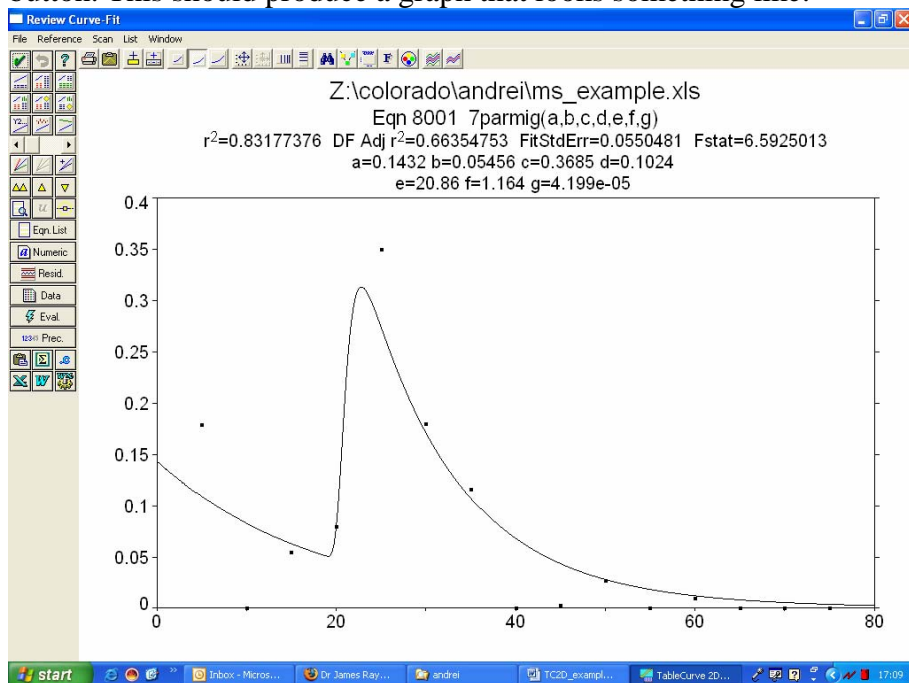
6. Click the **adjust** button. This should result in a new window that looks like:



You need to get the model schedule to come closer to the observed data. You can do this by adjusting each of the parameter values or by clicking on the **find and update** button. If you click on the **find and update** button, you should get a profile that looks like:

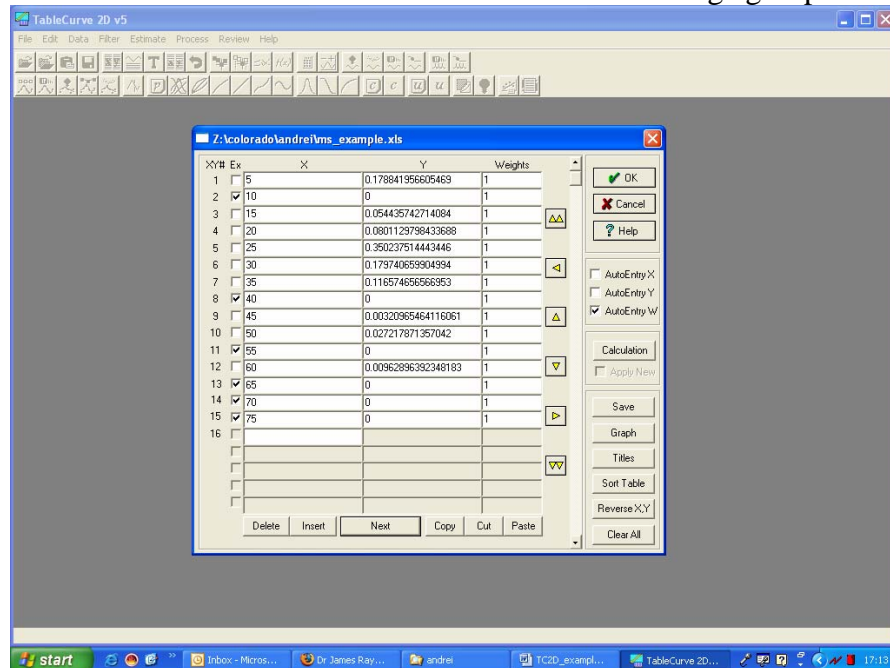


Next, click on the green checkmark and then click on the **fit UDFs** button and **graph start** button. This should produce a graph that looks something like:

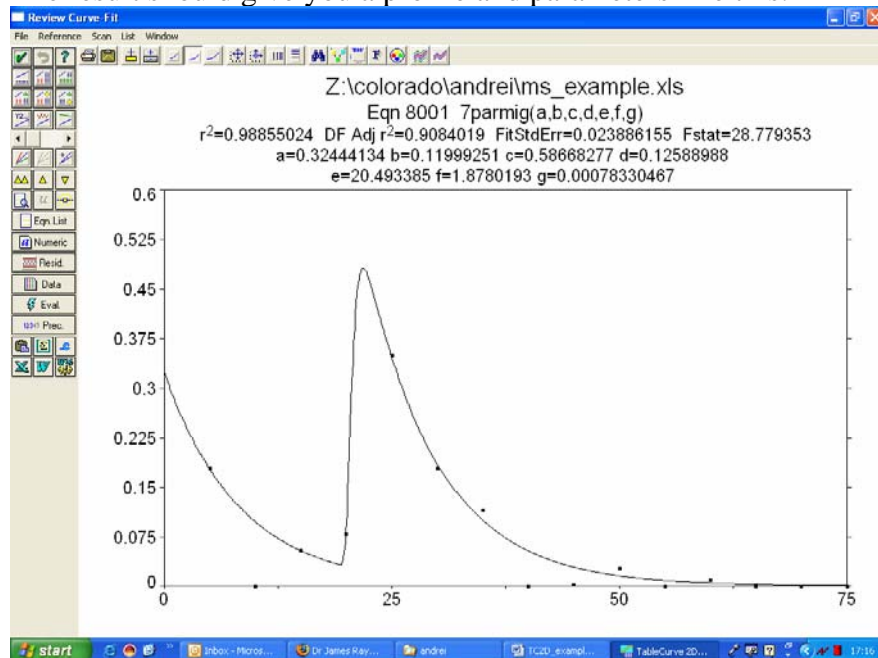


You can adjust the colors, format, titles, etc. and also save as Word document or Excel file. That's it! Beyond this, you can play around, for example, by removing the zero values from the data and refitting the schedule. You can do this by (1) excluding the zeros in the Data Editor and (2) refitting the schedule by repeating the steps above.

Click on **edit / tablecurve editor** and then check the age groups with zeros as below:



The result should give you a profile and parameters like this:



Note, you'll have to modify the graph scaling so that it looks like the picture above. Good luck and let me know if you have any questions or problems.