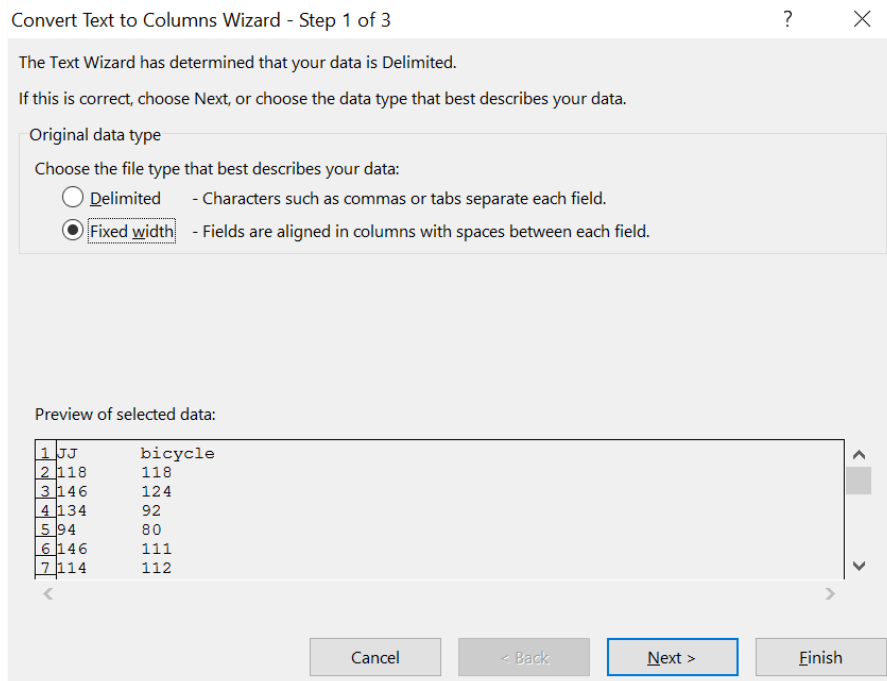


Copy the data off <http://www.math.hope.edu/isi/data/chap7/JJvsBicycle.txt> (Ctrl-A, Ctrl-C)

Paste the data onto an Excel Sheet.

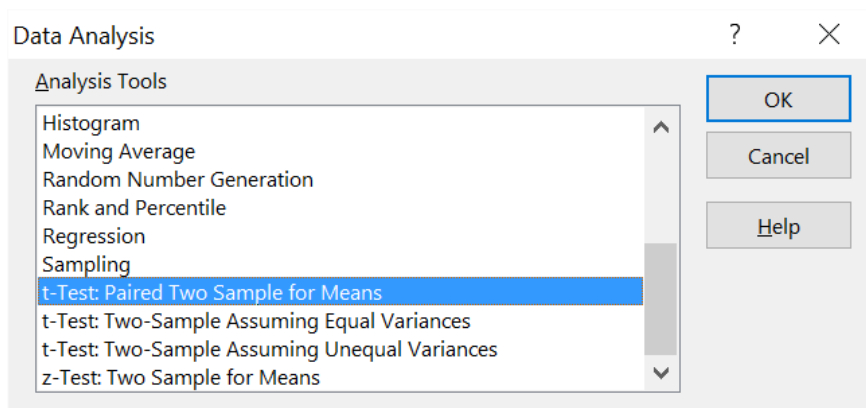
We need the data to be in two columns.

Choose the DATA tab, then “Text To Columns”. Choose “Fixed Width”, then click “Finish”



Your data should now be in two columns.

Still in the DATA tab, choose “Data Analysis”.



Choose “t-Test: Paired Two-Sample for Means”, click OK.

t-Test: Paired Two Sample for Means

Input

Variable 1 Range:

Variable 2 Range:

Hypothesized Mean Difference:

Labels

Alpha:

Output options

Output Range:

New Worksheet Ply:

New Workbook

OK

Cancel

Help

Click on the button with the red arrow for “Variable 1 Range”, select the cells containing the data for “JJ”. Hit “Enter”.

Click on the button with the red arrow for “Variable 2 Range”, select the cells containing the data for “bicycle”. Hit “Enter”.

You should now see this.

t-Test: Paired Two Sample for Means

Input

Variable 1 Range:

Variable 2 Range:

Hypothesized Mean Difference:

Labels

Alpha:

Output options

Output Range:

New Worksheet Ply:

New Workbook

OK

Cancel

Help

Note: If you selected the cells with the variable names “JJ” and “bicycle” (as I did), check the “Labels” box.

If you want to perform the hypothesis test that the mean difference is zero, fill in a “0” under “Hypothesized Mean Difference”. The default alpha is 0.05; you may change that if desired. Also, the results will be output in a new worksheet by default. Click “OK”