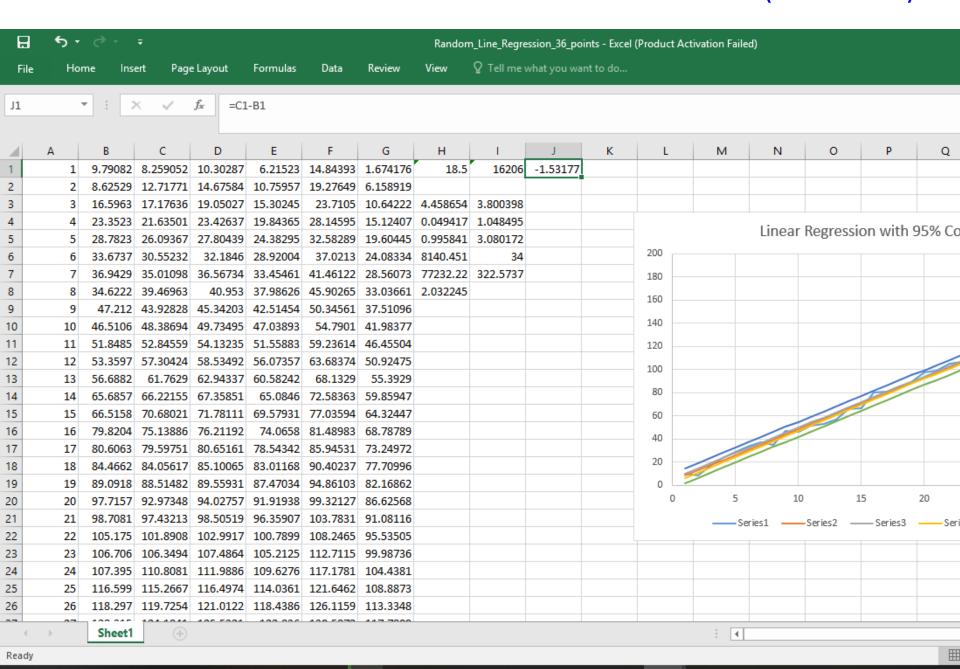
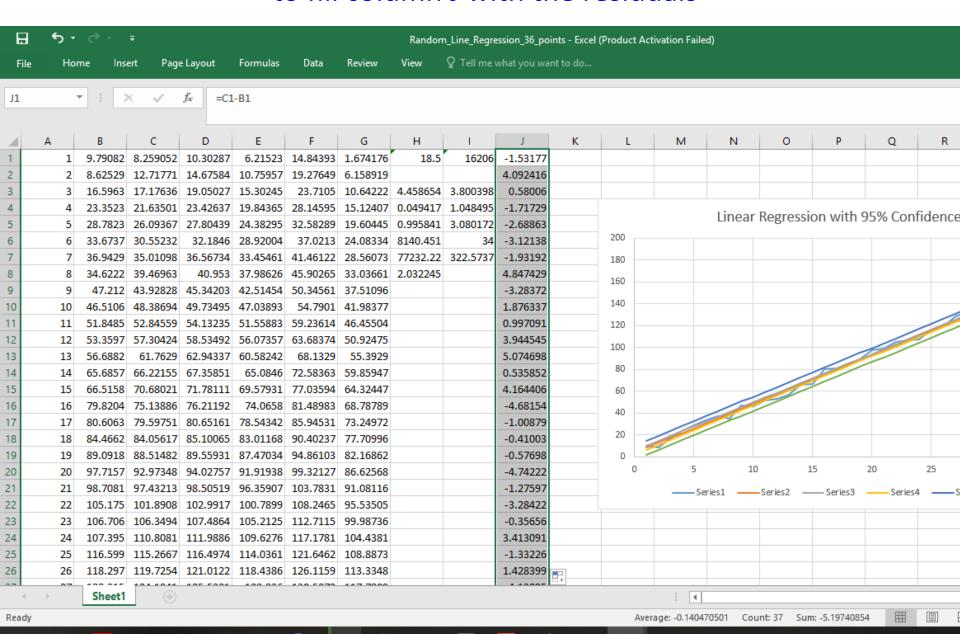
Q-test on residuals

Dixon's Q-test for a line requires testing the residuals for outliers

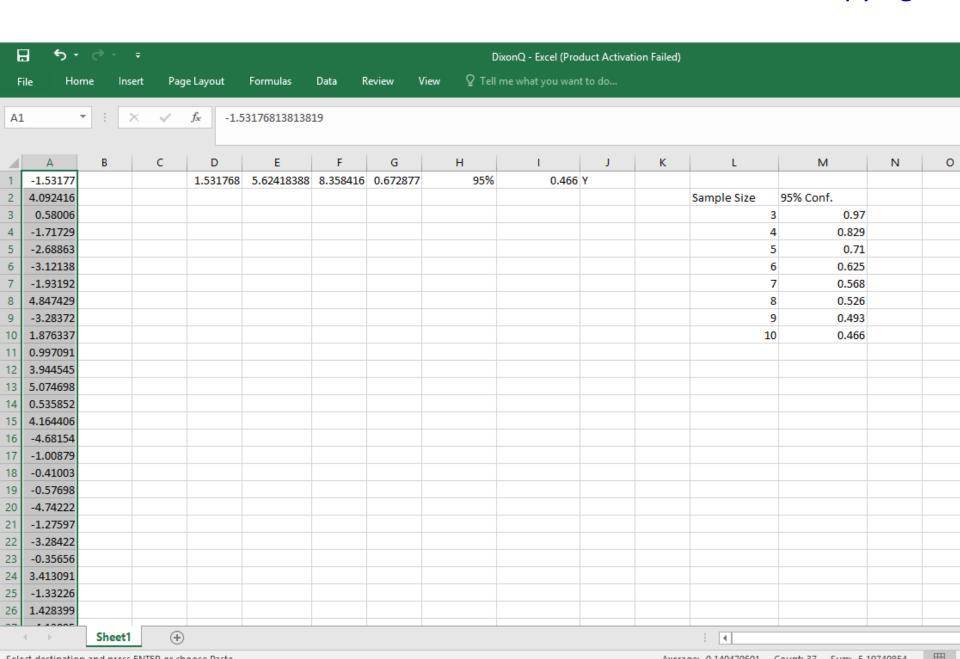
Use the LS Worksheet and calculate residues in column J (J1 = C1-B1)



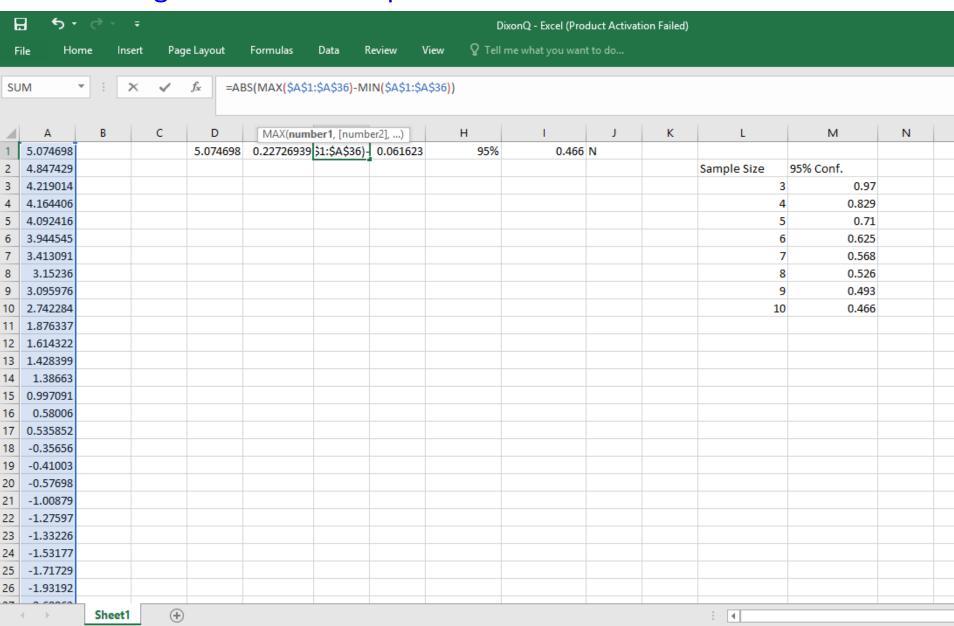
Click on the lower right corner of cell J1 to fill column J with the residuals



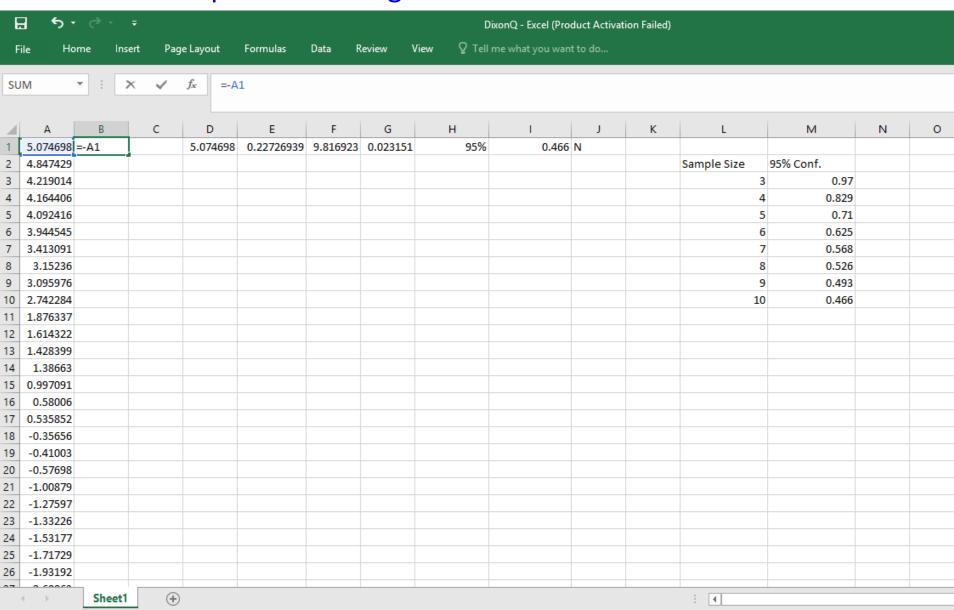
Delete the first row of Dixon Q-test worksheet for ease of copying



Copy the residuals into row A and order them from large to small Change the number of points in column F and the test is done

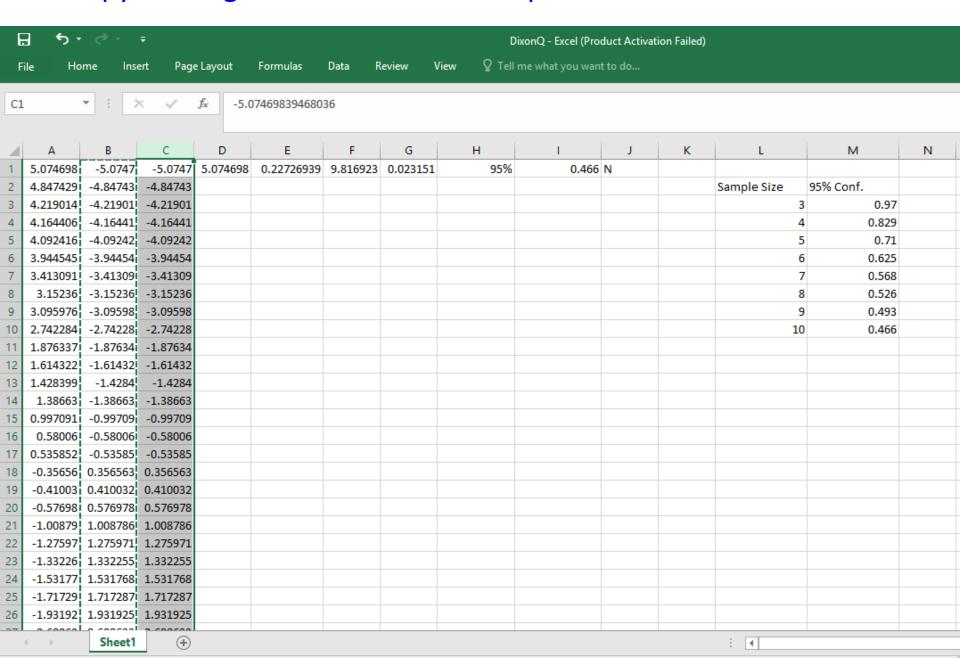


For residuals you also need to test the other end of the residuals Either the positive or negative residuals could contain an outlier

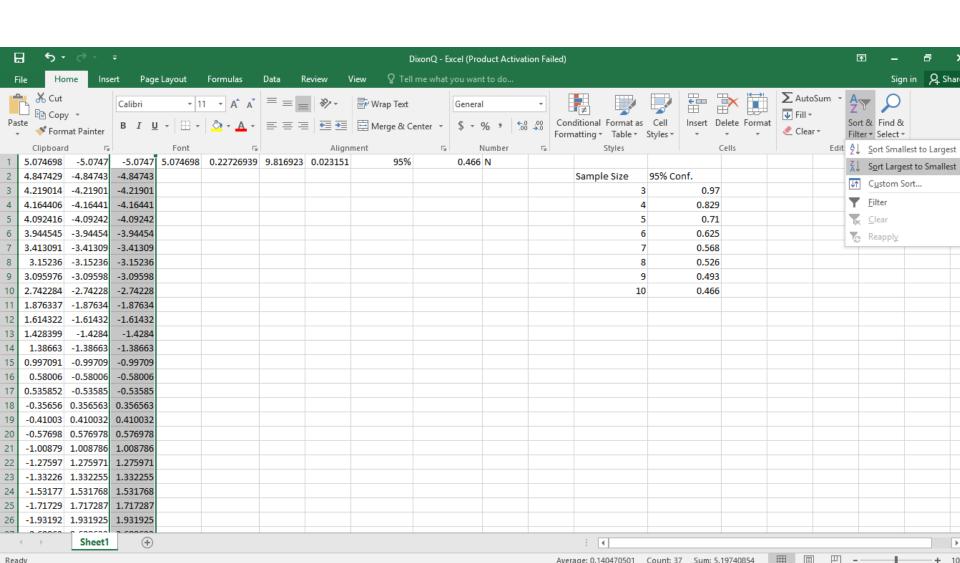


Edit

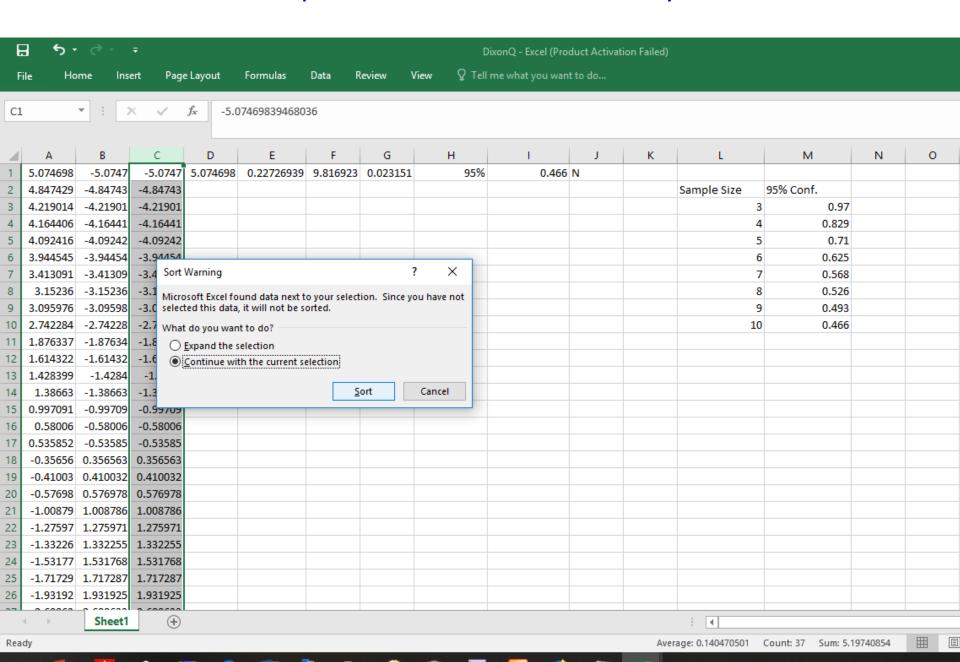
Copy the negative of column A and paste it as values in column C



Order column C from Largest to Smallest (exactly as was done on A)



Do not "Expand the selection". Use only column C.



The Dixon's Q-test on residuals will have a second row for the other end of the line. Commands D1 and E1 are the same except C replaces A in the formulae. F2 = F1 so you do not need to make any change.

