

Regression, part III

What are our assumptions?

You should be able to list all five.

In particular, what does it mean if your residuals show you have a curve?

How does this affect any further results?

How do residual plots help you in assessing linearity and constant variance?

Be able to determine obvious problems if shown a residual plot.

How do q - q plots help you?

How do you construct a residual plot (be able to do this for a very simple example)?

What is R^2 ?

How do you calculate this?

How do you interpret R^2 ?