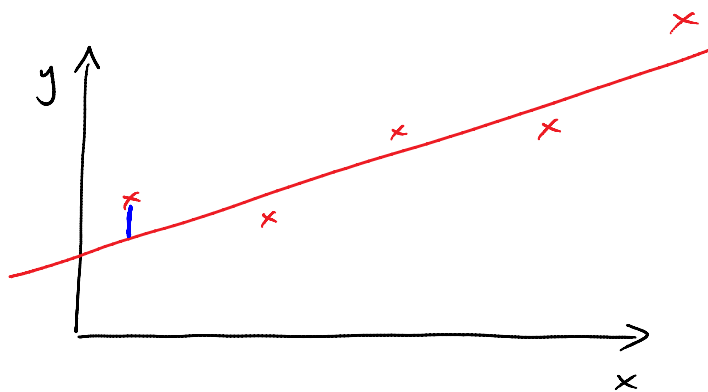


Section 6.2: Linear Regression - The Residuals Plot

Wednesday, June 17, 2015
2:41 PM

how can you determine whether a linear fit is appropriate?

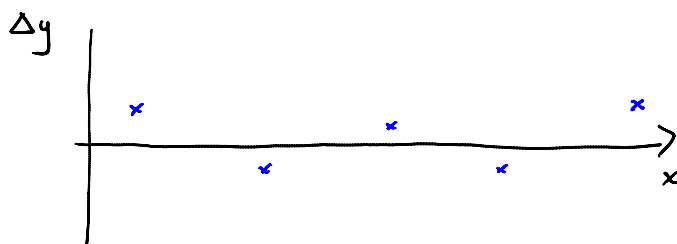
- ① look at the graph of the data
- ② examine the residuals plot



$$\Delta y = y_{\text{actual}} - y_{\text{fit}}$$

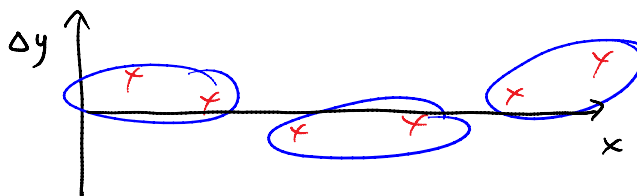


the residual for that point

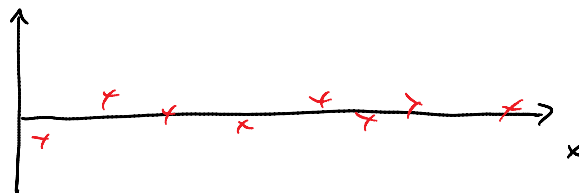


← the residuals plot

what do we look for?



if the residuals have structure, fit was not appropriate



if the residuals are just random scatter, the fit was an appropriate one