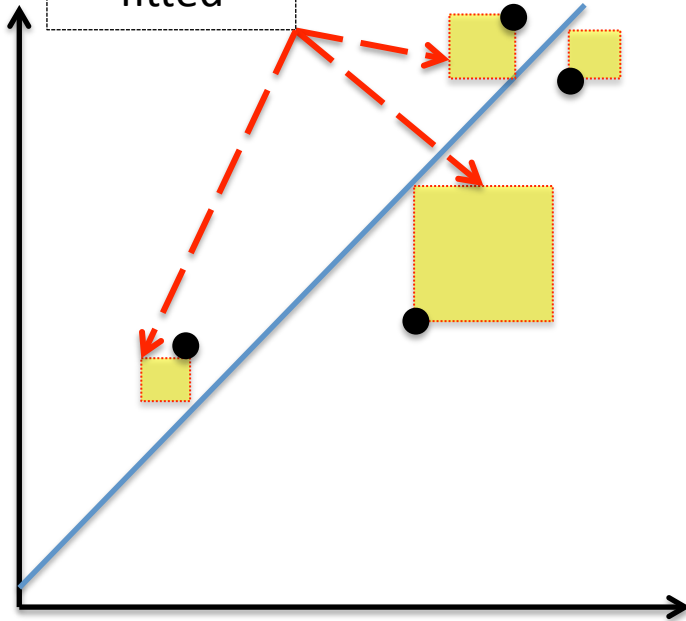
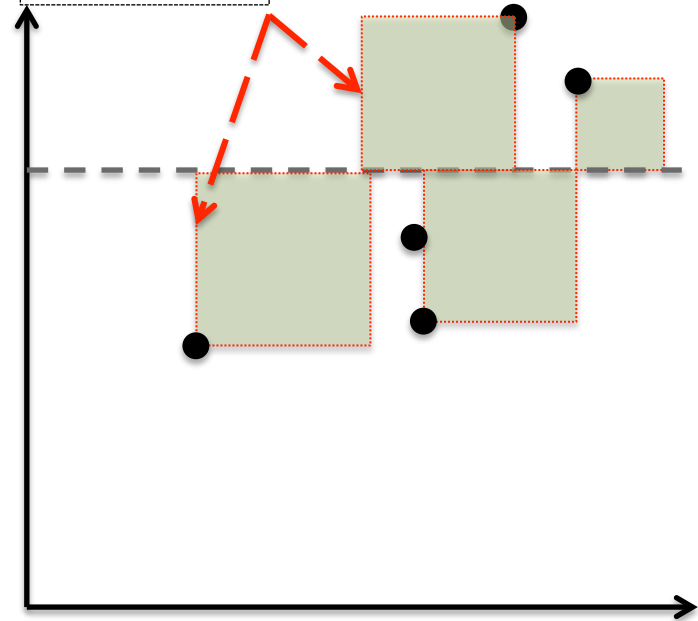


Squares of
residuals
vs
fitted



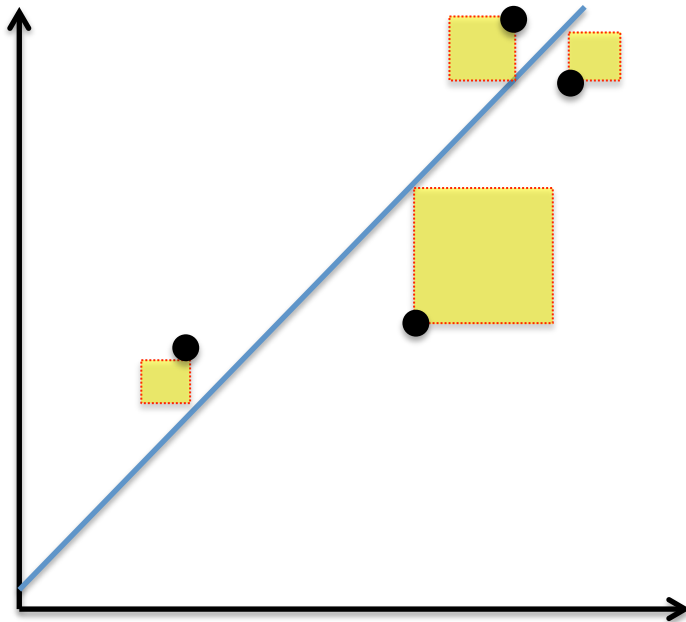
**Residual sum of squares –
Measure of Error in model**

Squares of
residuals
vs
mean

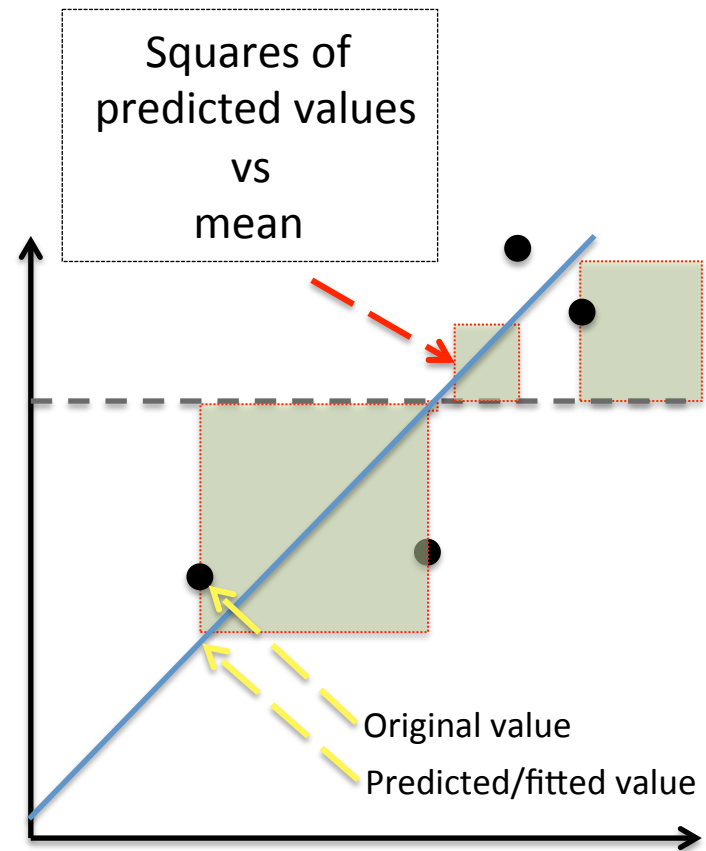


**Total sum of squares –
Measure of variance in data**

R-squared
 $1 - (\text{Residual Sum of Squares} / \text{Total Sum of Squares})$



**Residual Mean of squares –
Measure of Error in model**



**Regression Mean of squares –
Measure of how well model explains data.**

$$\text{F-statistic} = \frac{1 - (\text{Regression Mean of Squares} / \text{Residual Mean of Squares})}{\text{Residual Mean of Squares}}$$