* Additional predictor variables will make the R-squared stay the same or increase, even if they show no relationship with the response variable.
* Adjust R-squared looks at whether additional predictor variables are contributing to the model.

Studentized residuals (or internally studentized residuals)

MSE = mean square error

= leverage

Distinction between Outliers and High Leverage Observations

* An outlier is a data point whose response y does not follow the general trend of the rest of data
* A data point has high leverage if it has “extreme” predictor x values (high or low)
* A data point can be an outlier and has high leverage