ADJUSTED R SQUARE

Adjusted R²

$$R^{2} = 1 - \frac{SS_{res}}{SS_{tot}}$$

$$R^{2} - Goodness of fit (greater is better)$$

$$y = b_{0} + b_{1}^{*}x_{1}$$

$$y = b_{0} + b_{1}^{*}x_{1} + b_{2}^{*}x_{2}$$

$$SS_{res} -> Min$$

$$R^{2} - Goodness of fit (greater is better)$$

$$+ b_{3}^{*}x_{3}$$

$$+ b_{3}^{*}x_{3}$$

$$R^{2} \text{ will never decrease}$$

Adjusted R²

$$R^2 = 1 - \frac{SS_{res}}{SS_{tot}}$$

Adj R² = 1 - (1 - R²)
$$\frac{n-1}{n-p-1}$$

- p number of regressors
- n sample size