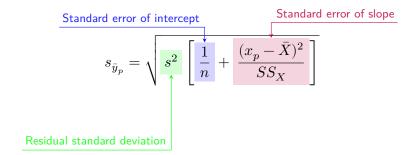
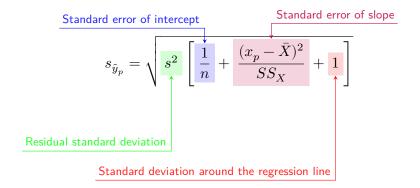
Prediction Equations

Mean Prediction Standard Error



Individual Prediction Standard Error



Cook's distance

- $ightharpoonup s^2$ residual standard deviation
- ightharpoonup p number of predictors
- $lackbox{}\widehat{y_j}$ predicted value for Observation j
- $ightharpoonup \widehat{y_{j(i)}}$ predicted value for Observation j when Observation i is left out.

$$D_i = \frac{\sum_{j \neq i} (\widehat{y_j} - \widehat{y_{j(i)}})^2}{ps^2}$$