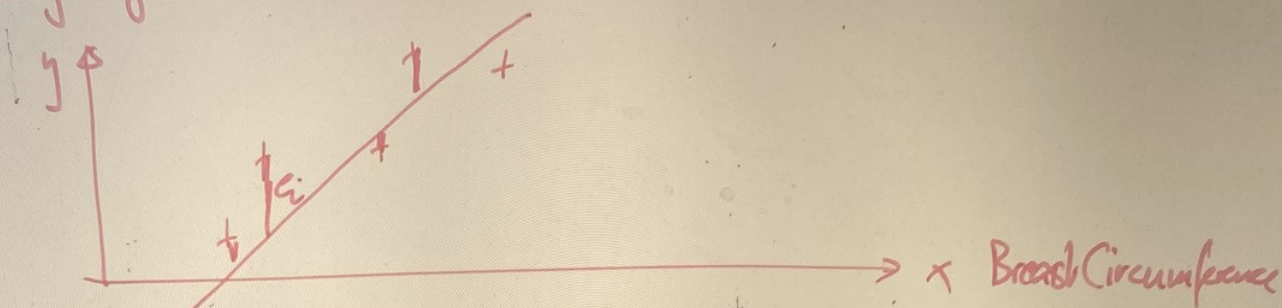


Recap 2023-03-06

□ Regression :

- response / target variable $\rightarrow y$
- predictor variable $\rightarrow x$

Body Weight



$$L = \sum_{i=1}^N e_i^2$$

; determine b_0 (intercept) and b_1 (slope) of regression line such that L is minimal

$$\hat{b}_0 = \bar{y} - \hat{b}_1 \bar{x}$$

$$\hat{b}_1 = \frac{(xy) - N\bar{x}\bar{y}}{(x^2) - N\bar{x}^2}$$

Generalize :

□ ~~to~~ to 2 predictor variables (Breast Circumference, ...)