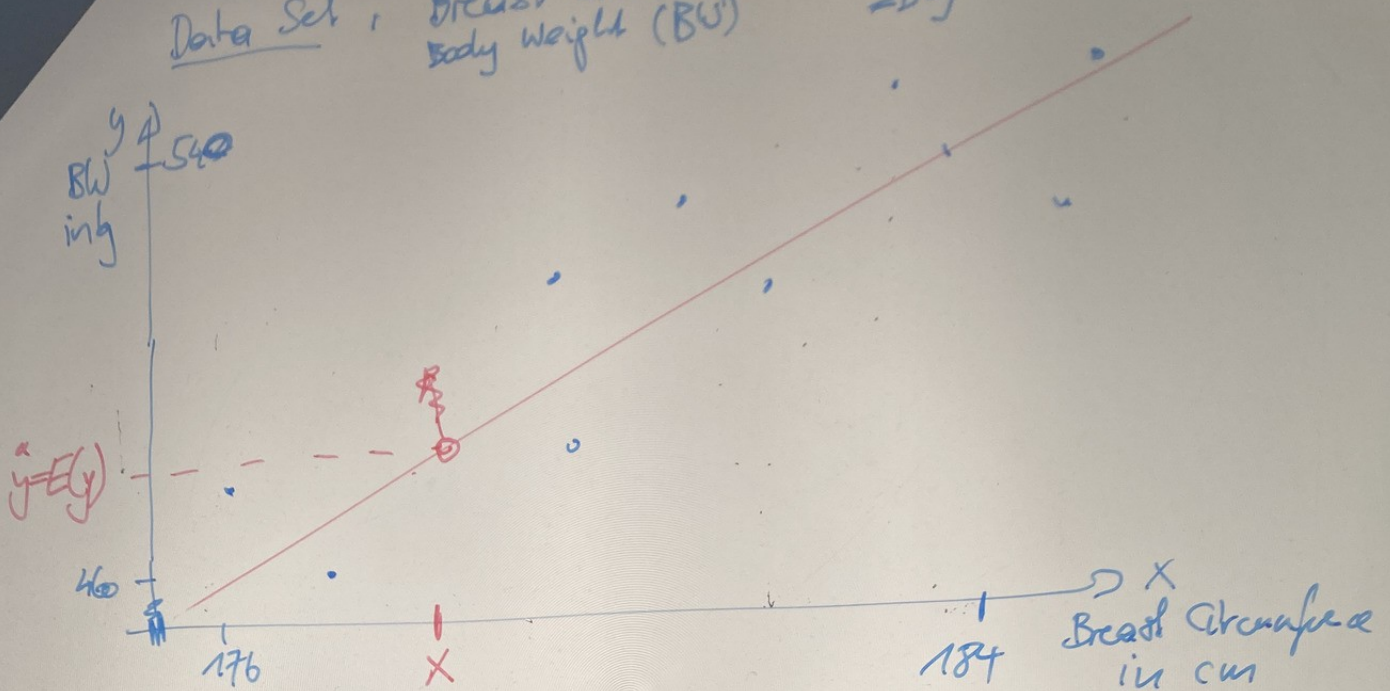


Data Set, Breast Circumference $\Rightarrow X$
Body Weight (BW) $\Rightarrow Y$

(4)



□ Model : description of the relationship between breast circumference (BC) and body weight (BW)

- BC \rightarrow predictor variable
- BW \rightarrow response variable

- Hypothesis : linear relationship between BC and body weight.

\Rightarrow Expected value for body weight is a linear function of BC

$\rightarrow E(y) = b_0 + b_1 \cdot \underline{x} = \hat{y}$