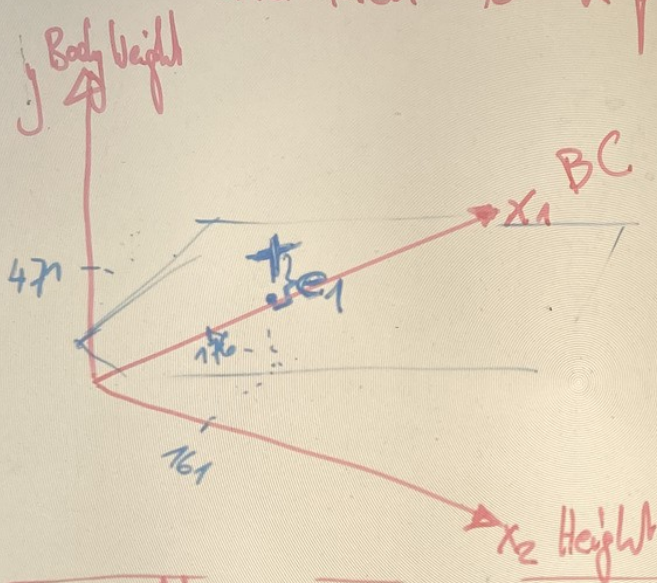


Generalize :

□ ~~1~~ to 2 predictor variables (Breast Circumference, Height.)

and then to k predictor variables



Expected value for
Body weight of animal i :

$$E(y_i) = b_0 + b_1 x_{i1} + b_2 x_{i2}$$

Breast
circum. of animal i

Unknown

$$L = \sum_{i=1}^N [y_i - b_0 - b_1 x_{i1} - b_2 x_{i2}]^2 \rightarrow \min$$

$$\begin{aligned} b_0 &= \\ b_1 &= \\ b_2 &= \end{aligned}$$

k - Predictor Variables