Simple Linear Regression

☐   1   x - value   } fit least-squares (LSQ)
       1   y - value

       ⟹ lm ( ) in R

☐   Beef cattle data:
       Linear regression of body weight (y) on
       breast circumference (x)

☐   More than one   x - variable, e.g.
       — breast circumference (BC) x_1
       — height (HEI) x_2

   ⟹ $E(y_i) = b_0 + b_1 x_{1i} + b_2 x_{2i}$

x_1 (BC

x_2 (HEI)

Multiple Linear Regression