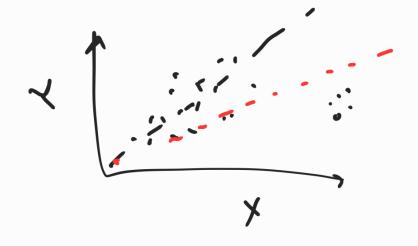
CORRELATION

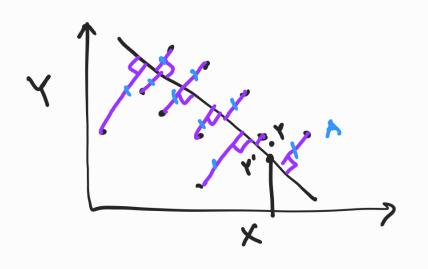
(om (x ~ y) = R +,-

-1 ER E1

R: O, there 1: No relationship



RESIDUALS



-> leftover distance.

-> data = model line
+ me vidual:

specialed e Y-Y'

LEAST SQUARES LINE

Freidual eurom
$$e_i = y_i \sim y_i$$

presidual eurom $e_i = y_i \sim y_i$

presidual eurom $e_1 = y_i \sim y_i$
 $e_1 + e_2 + e_3 + \dots + e_n = \sum_{Nomm} \sum_{Nomm} e_n$

(quantition

GENERAL FORM OF LEAST SQUARES LINE

$$f: x; \longrightarrow \hat{y};$$

$$(\hat{y}) = (\beta_0) + (\beta_1) x;$$

$$y = (y) + (\alpha_1) + (\alpha_2) + (\alpha_3) + (\alpha_4) + (\alpha_4)$$