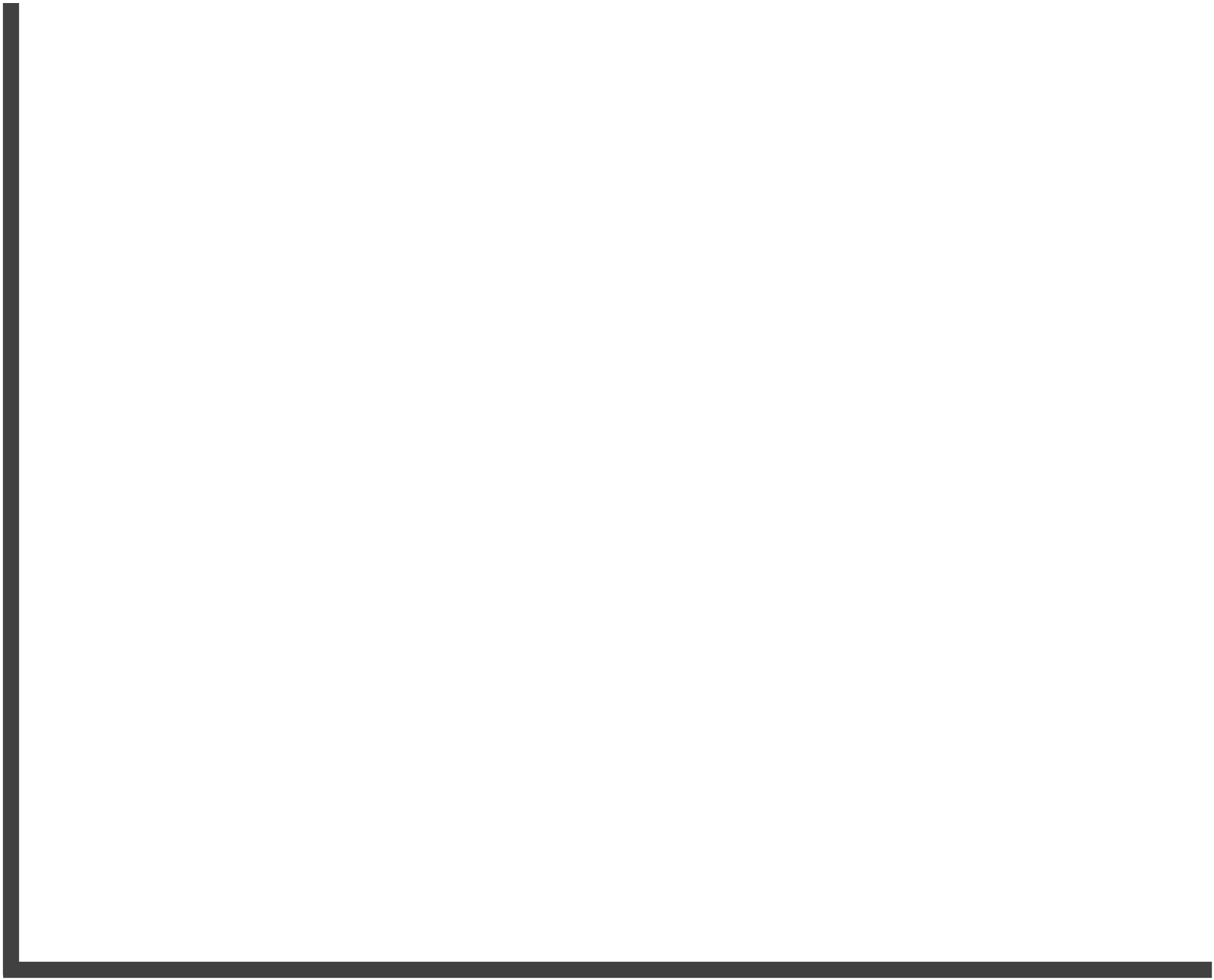
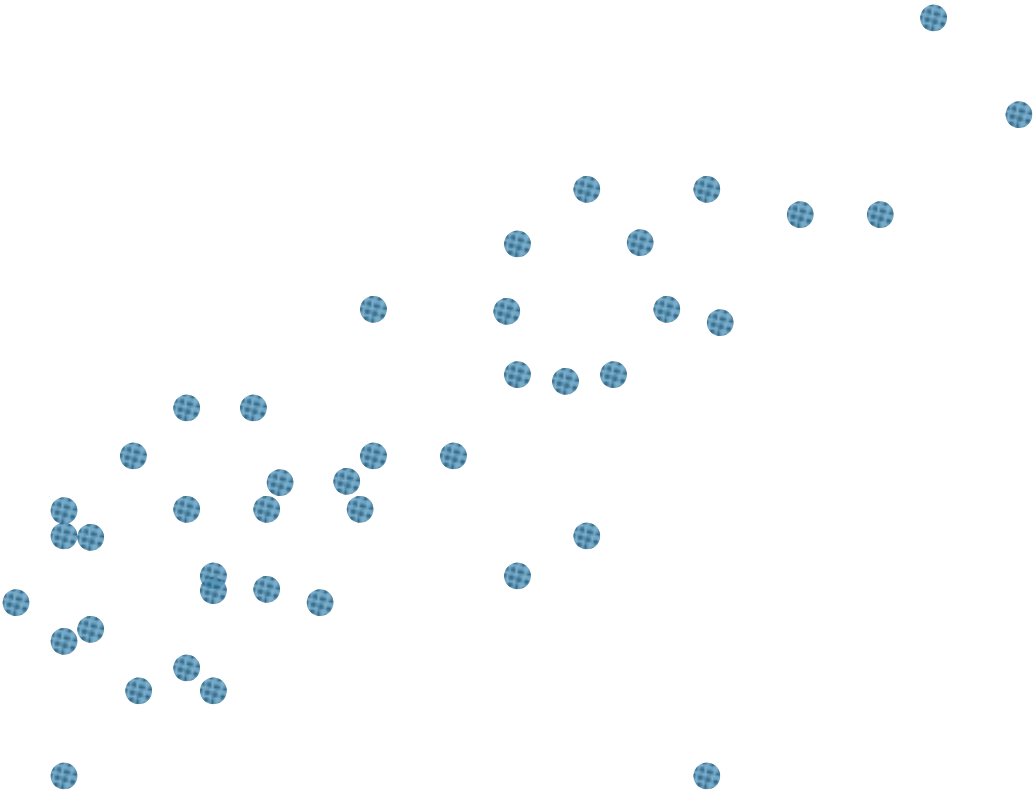


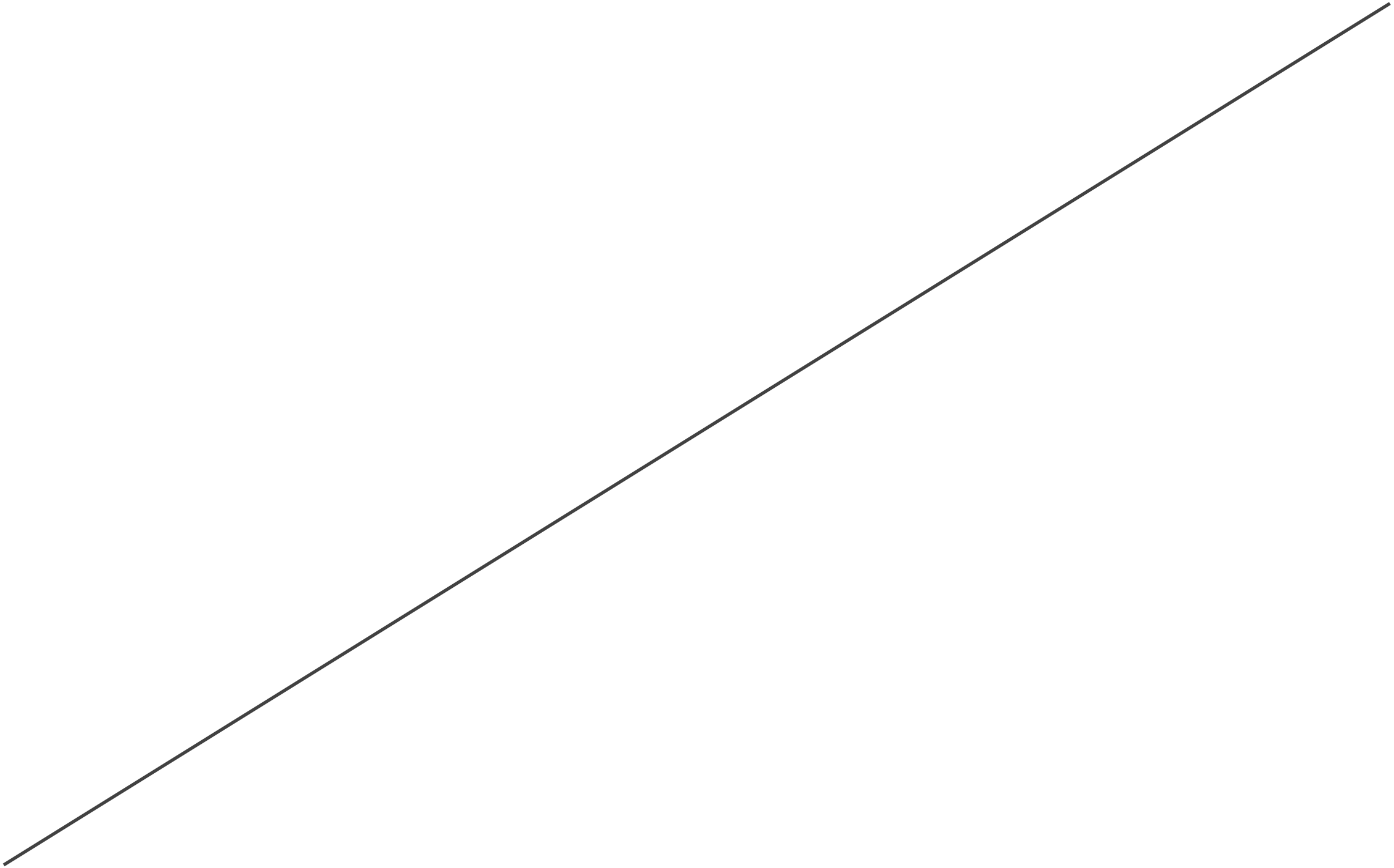


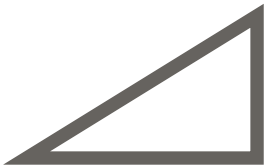


**SLOPE-INTERCEPT CORRELATIONS**





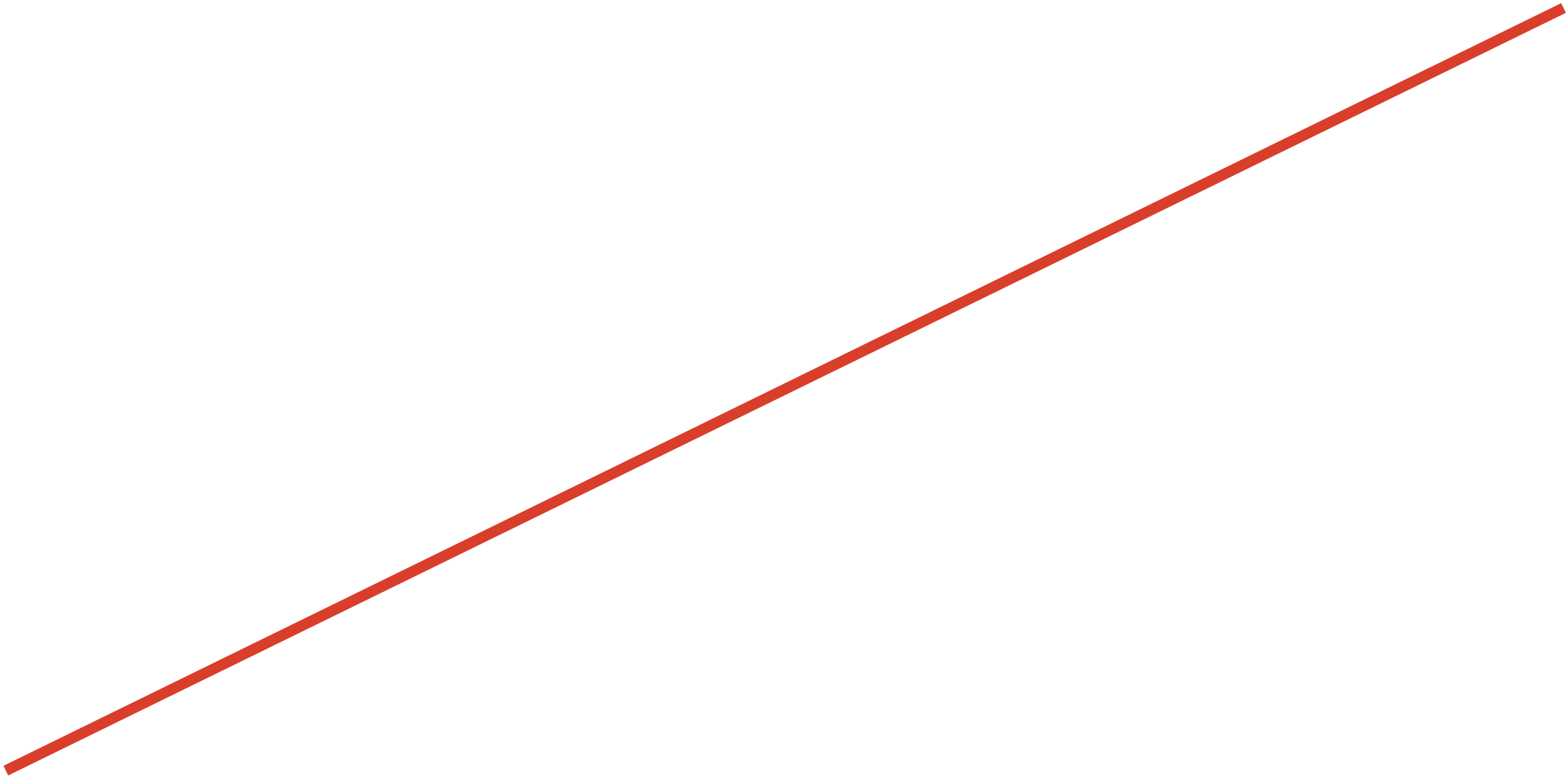




Р



*a*



*a!*

*B.*

$$\alpha < \alpha'$$

$$\beta > \beta'$$

v

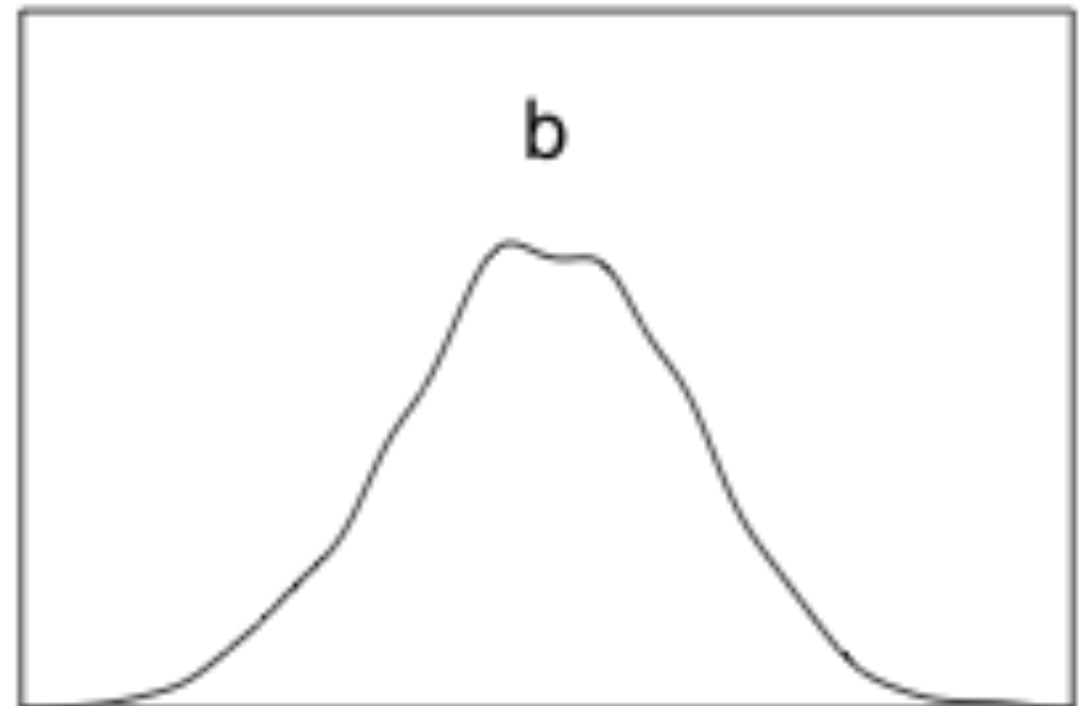
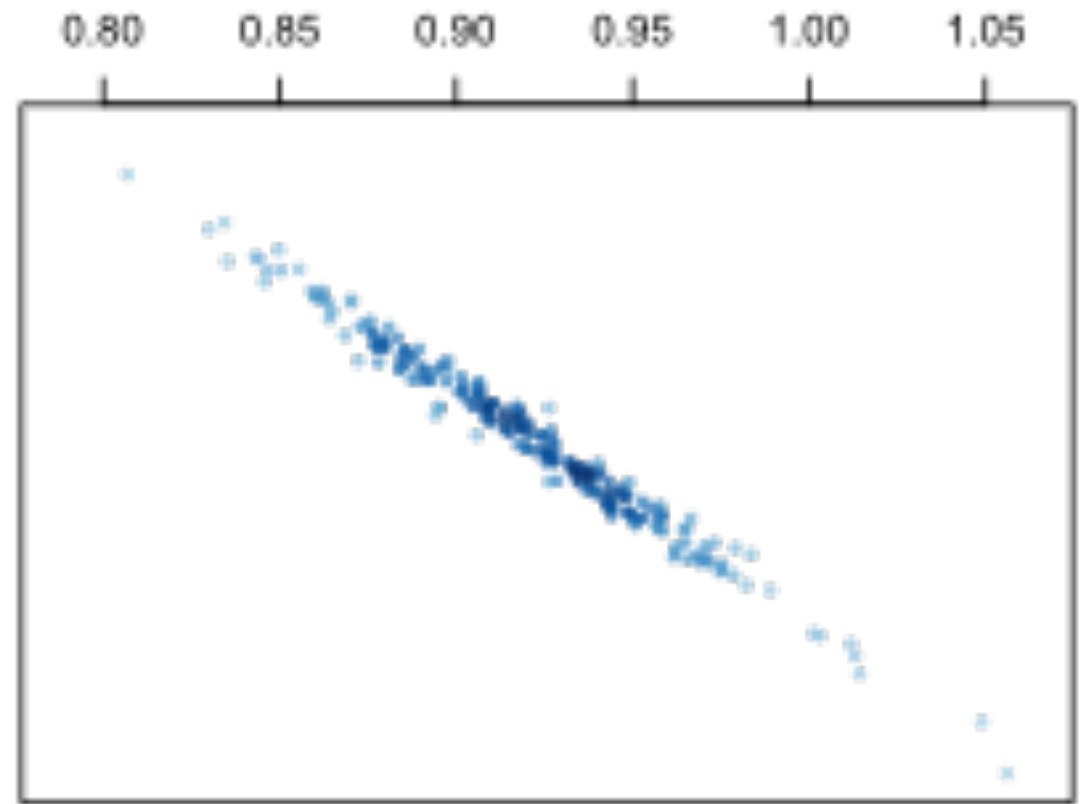
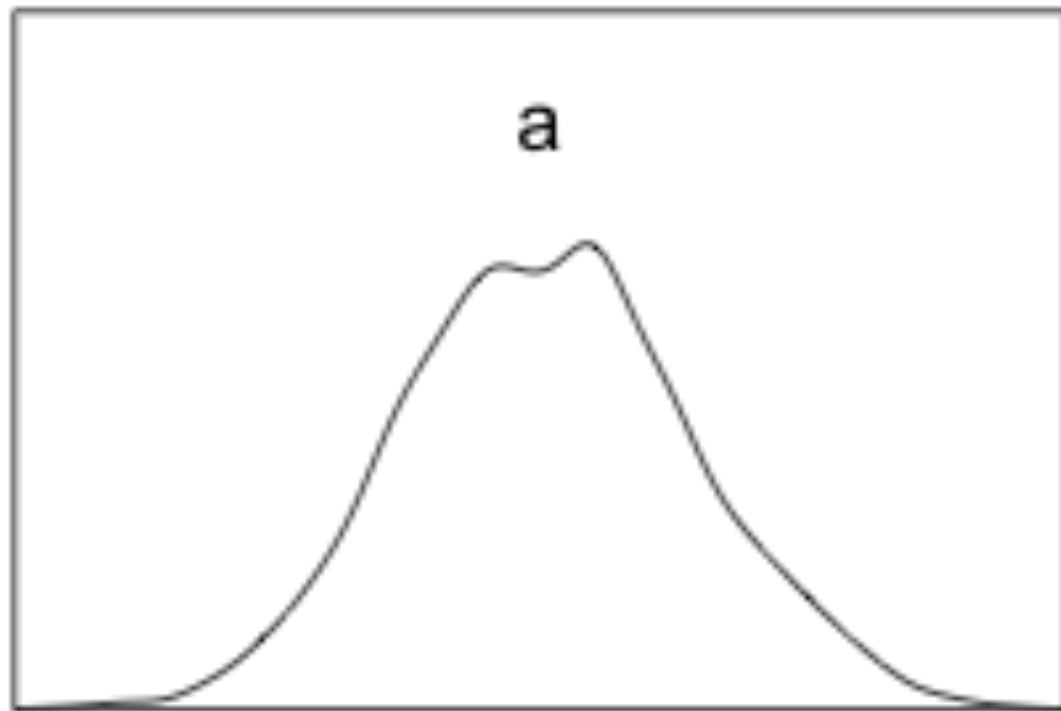
x

$$y = \alpha + \beta x$$

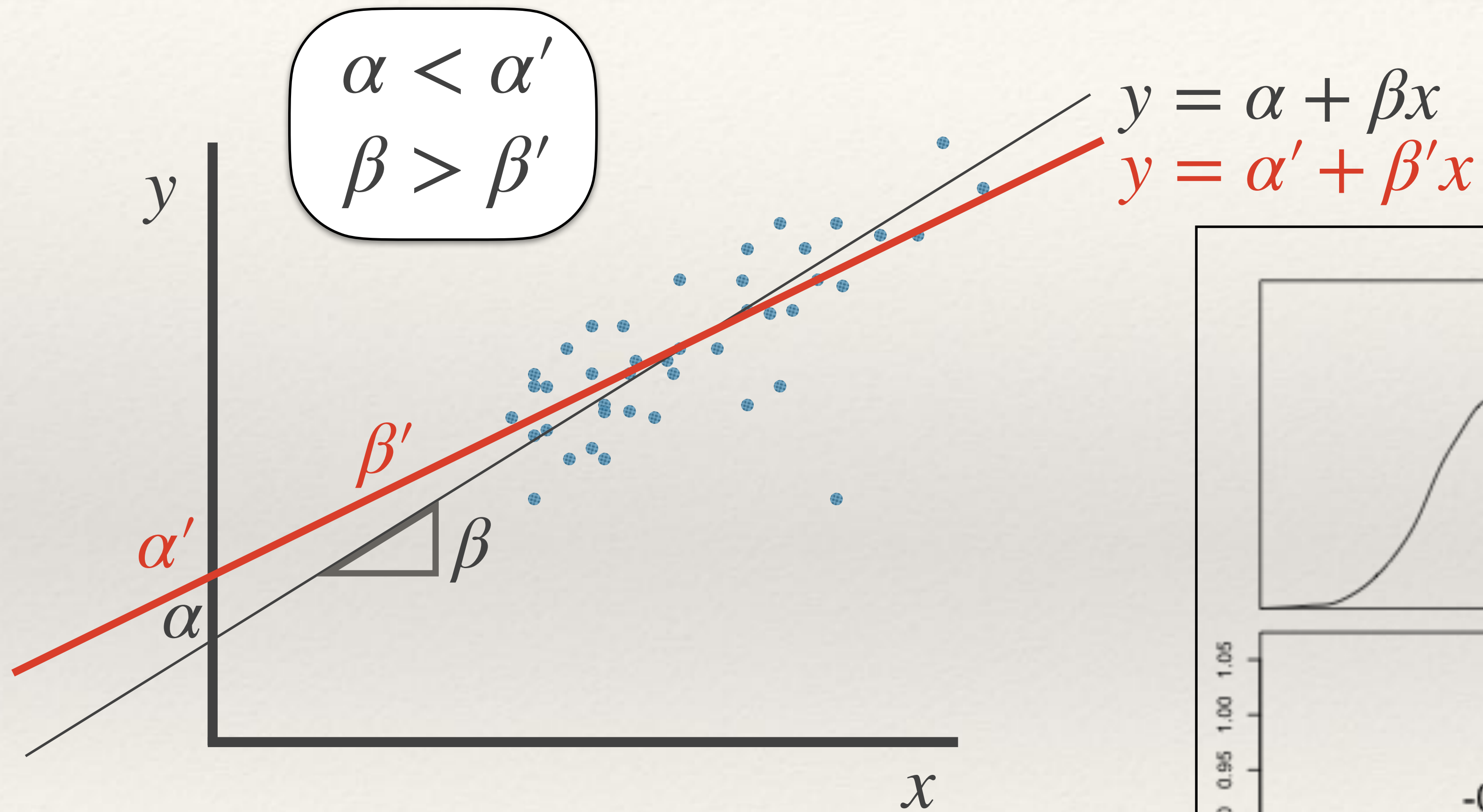


$$y = \alpha' + \beta'x$$

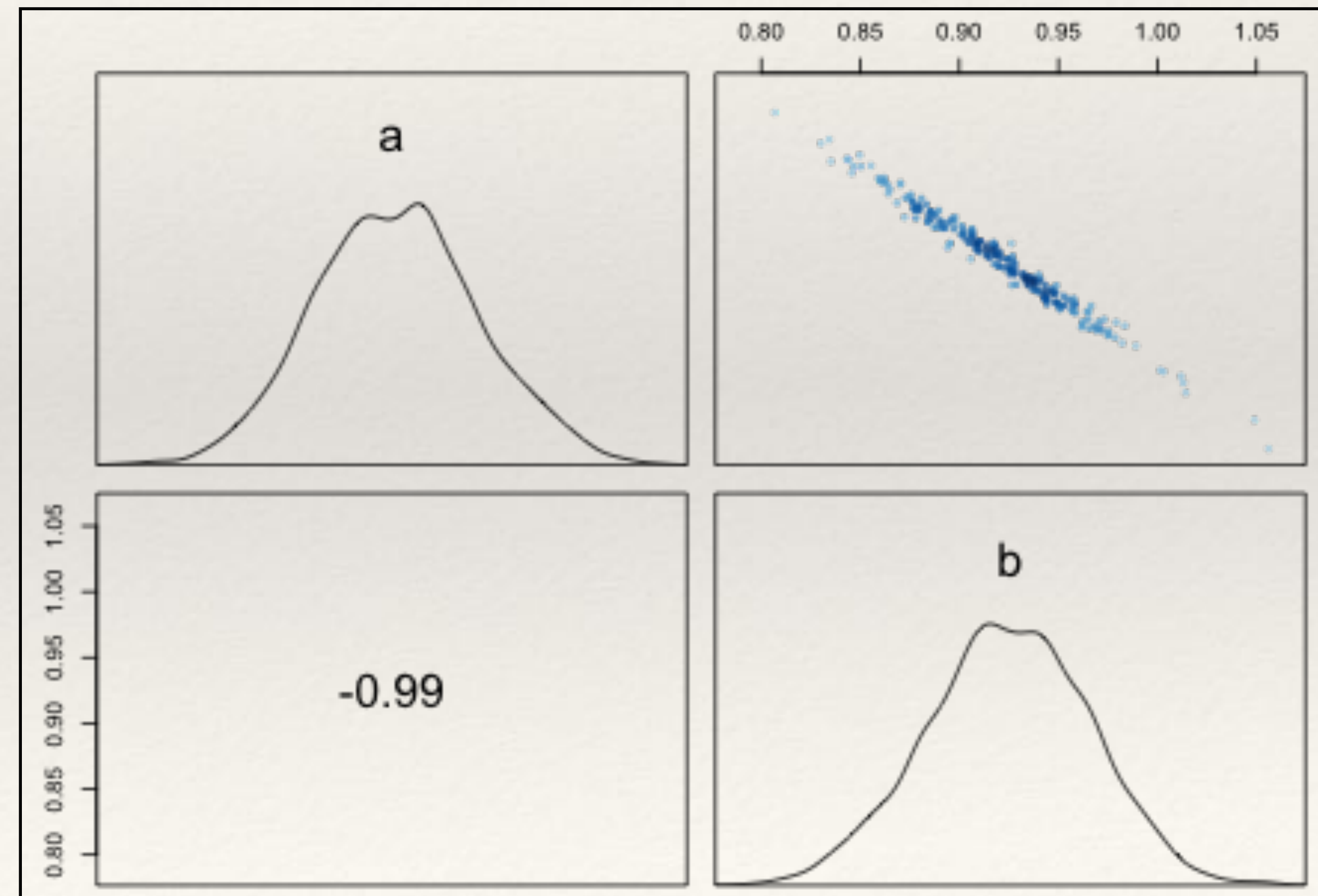
# Pairs plot



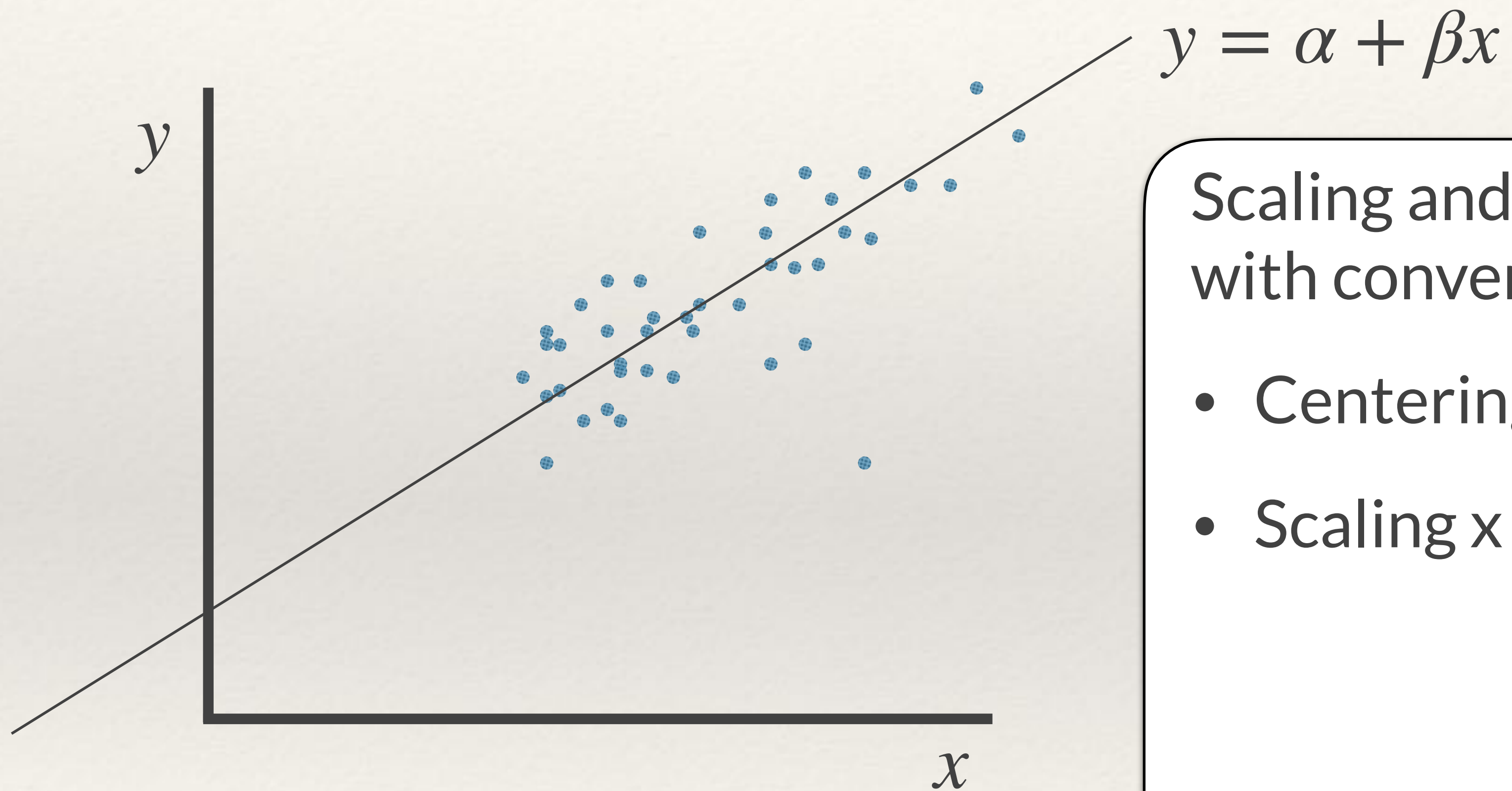
# SLOPE-INTERCEPT CORRELATIONS



Pairs plot



# LET'S GET RID OF THESE POSTERIOR CORRELATIONS



Scaling and shifting parameters can help with convergence

- Centering both  $x$  and  $y$  values
- Scaling  $x$  to unit variance

$$\tilde{y}_i = y_i - \bar{y}$$

$$\tilde{x}_i = \frac{x_i - \bar{x}}{sd(x)}$$