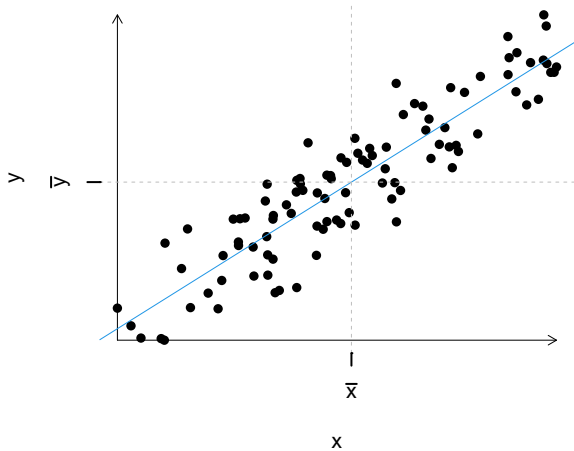


$$0 < \text{cov}(x, y) < \hat{\sigma}_x \hat{\sigma}_y$$



$$\text{cov}(x, y) = \hat{\sigma}_x \hat{\sigma}_y$$

