

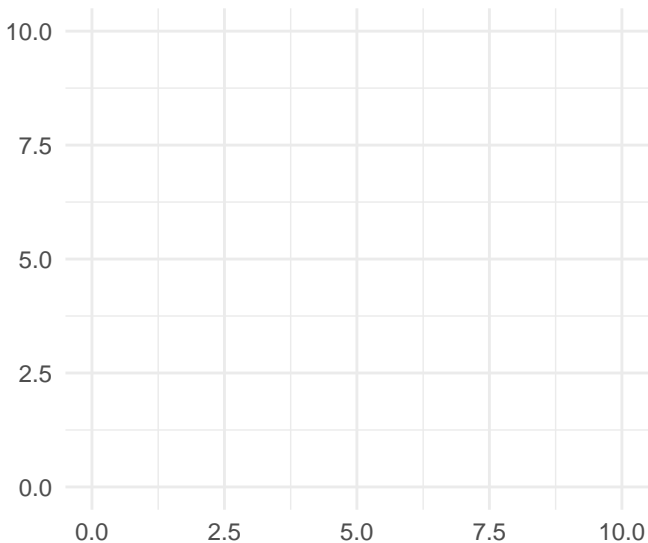
Pearsons  $\rho = -0.5$

$R^2 = 0.25$



Pearsons  $\rho = 0$

$R^2 = 1$



Pearsons  $\rho = 1$

$R^2 = 0.5$

