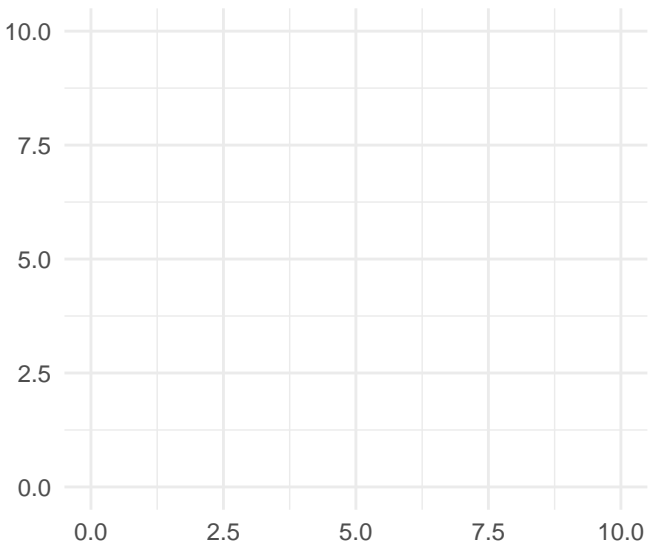


Pearsons $\rho = 0.5$

$R^2 = 1$



Pearsons $\rho = 1$

$R^2 = 0.5$



Pearsons $\rho = -1$

$R^2 = 0.75$

