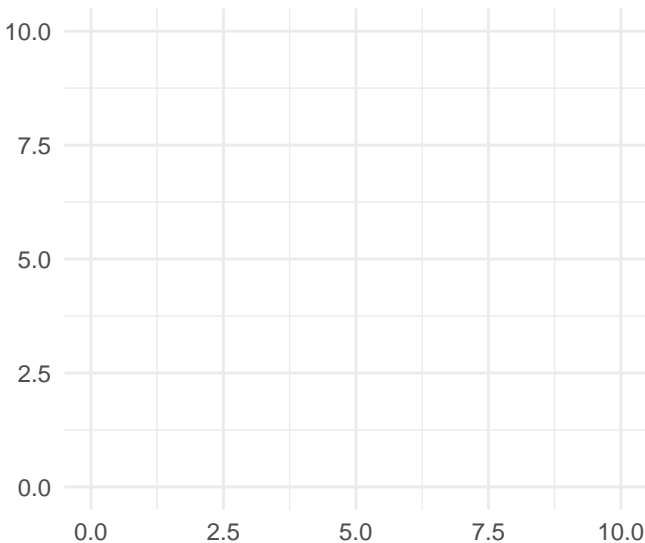


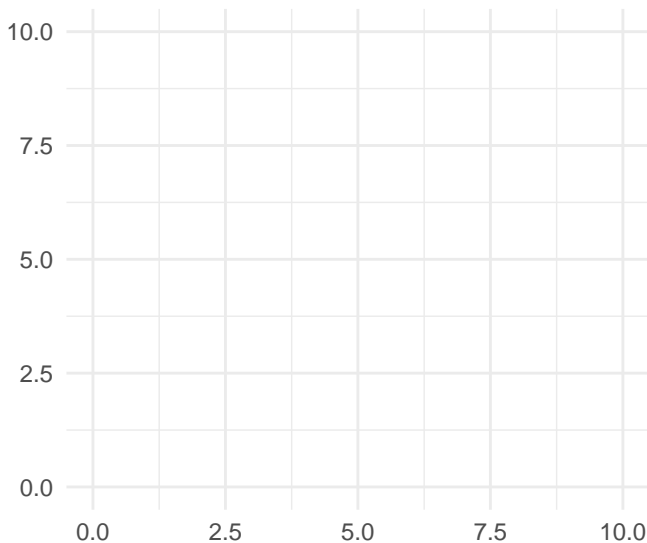
Pearsons  $\rho = -0.75$

$R^2 = 1$



Pearsons  $\rho = -0.25$

$R^2 = 0.25$



Pearsons  $\rho = 0$

$R^2 = 0.5$

