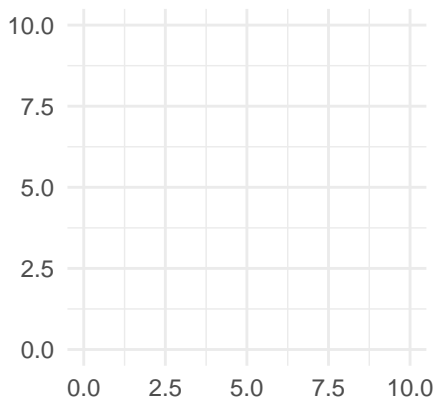


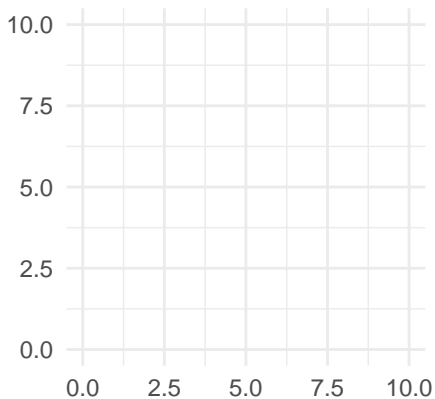
Pearsons $\rho = 0.5$

$R^2 = 0.75$



Pearsons $\rho = 0$

$R^2 = 1$



Pearsons $\rho = -0.25$

$R^2 = 0.25$

