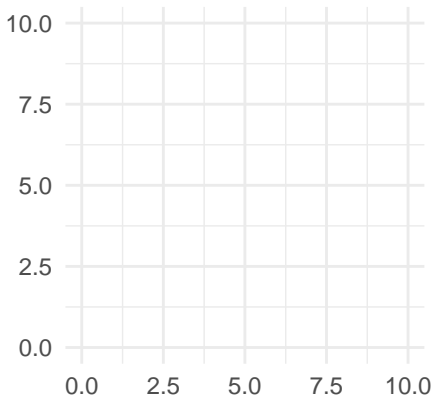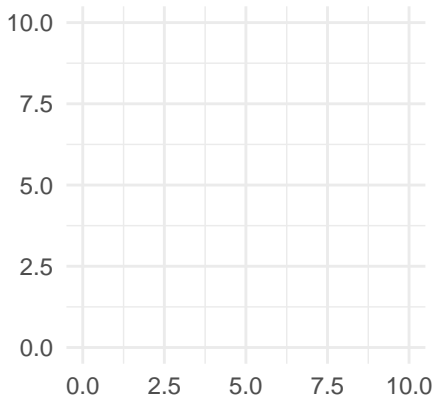Pearsons $\rho = 0$
$R^2 = 0.5$

Pearsons $\rho = 0.25$
$R^2 = 1$

Pearsons $\rho = -1$
$R^2 = 0.25$