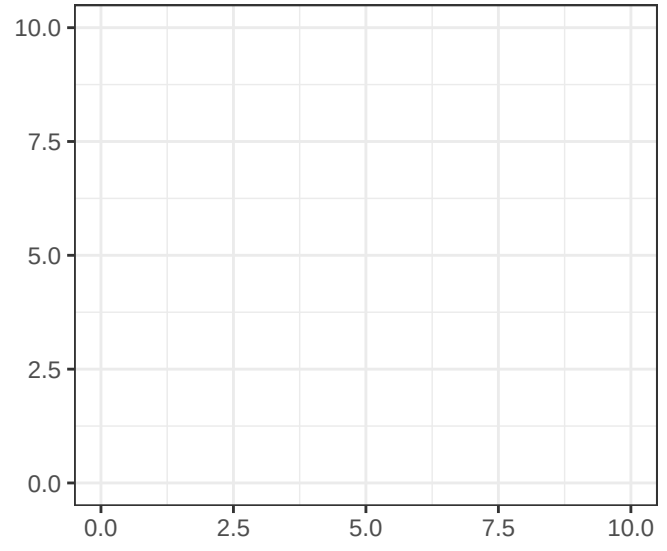
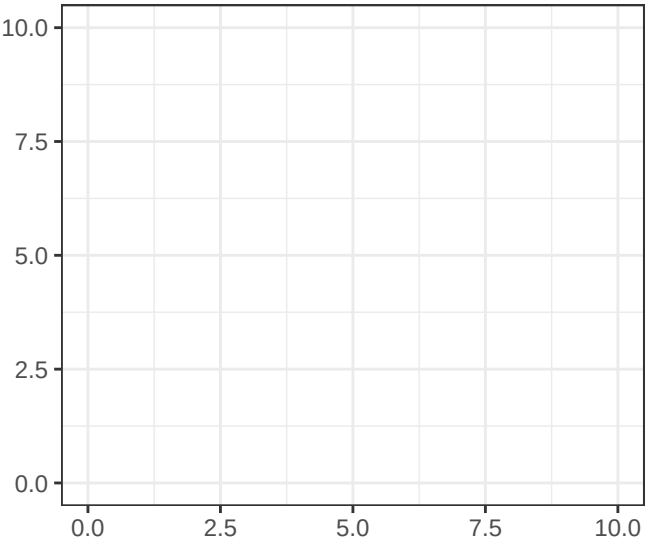
Pearsons $\rho = 0.5$

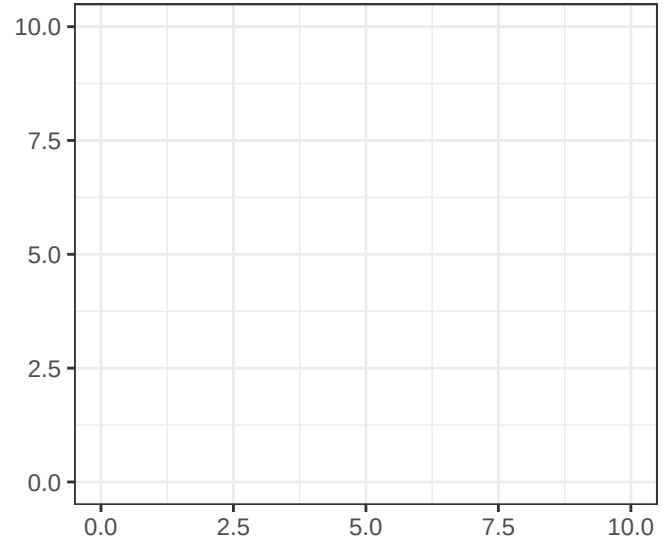
$R^2 = 0.25$



Pearsons $\rho = -0.75$

$R^2 = 0.5$



Pearsons $\rho = 0.75$

$R^2 = 0.75$