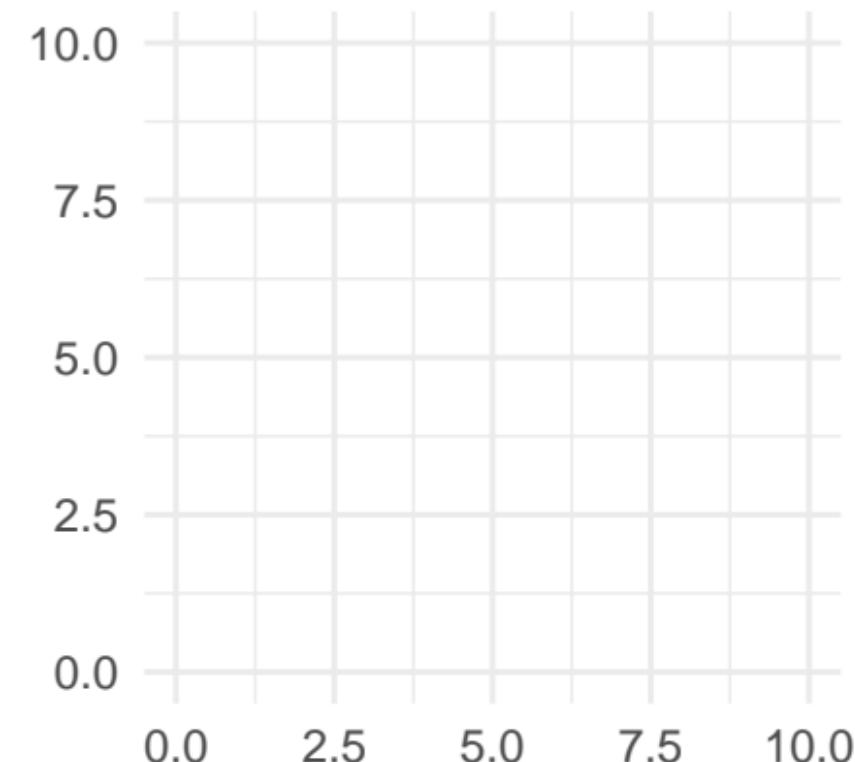


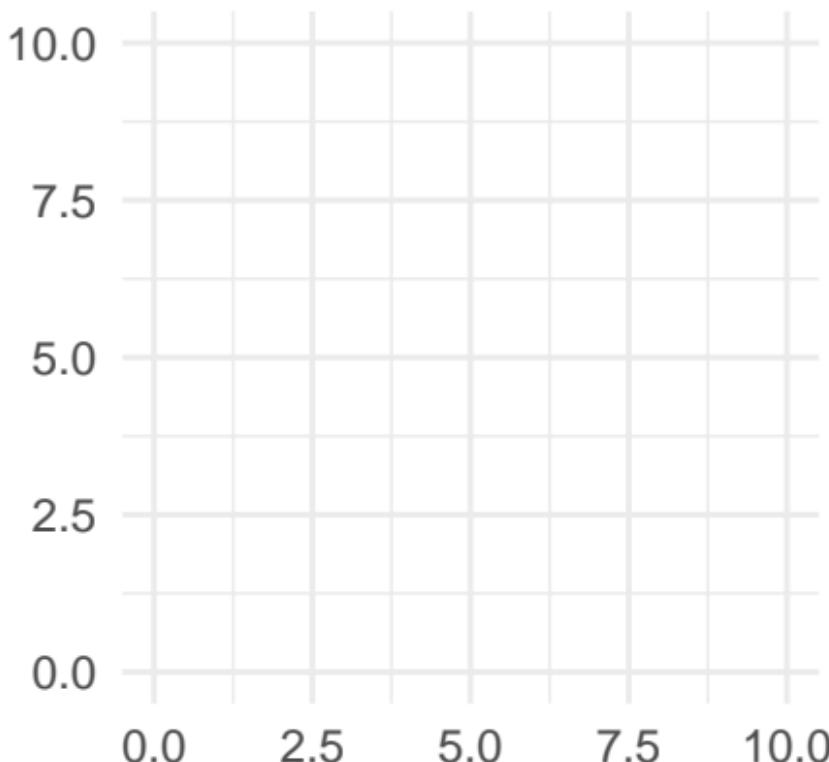
Pearsons $\rho = -0.5$

$$R^2 = 0.5$$



Pearsons $\rho = 0.5$

$$R^2 = 0.75$$



Pearsons $\rho = -0.75$

$$R^2 = 1$$

