Ber(p=1/3)
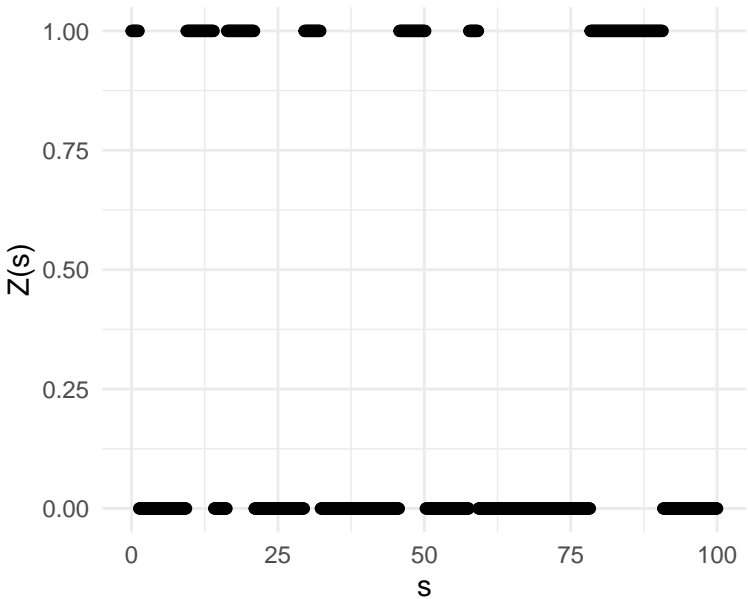
Matern($\nu = 2.5$)

Sample mean=0.32 Sample variance=0.22