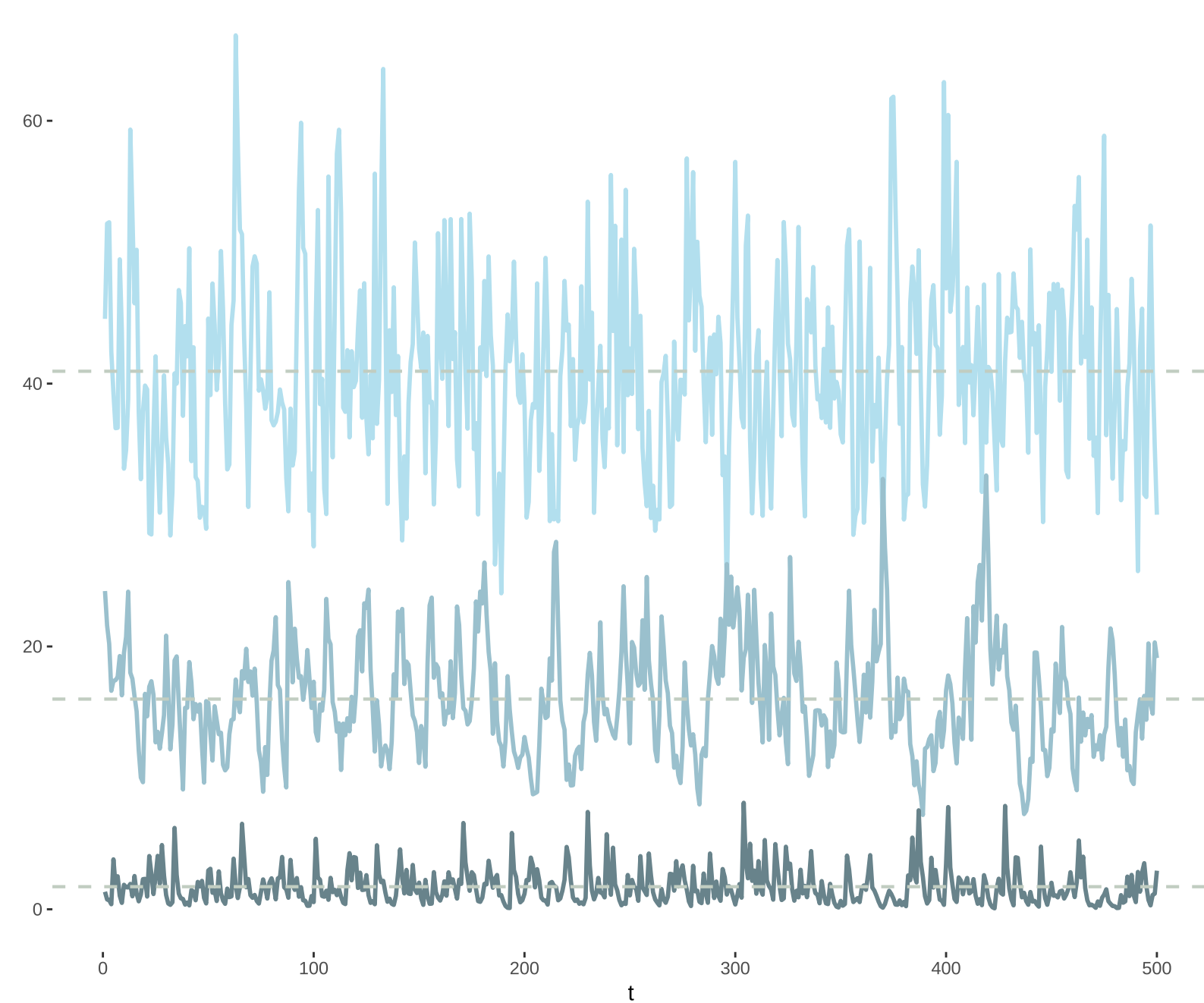
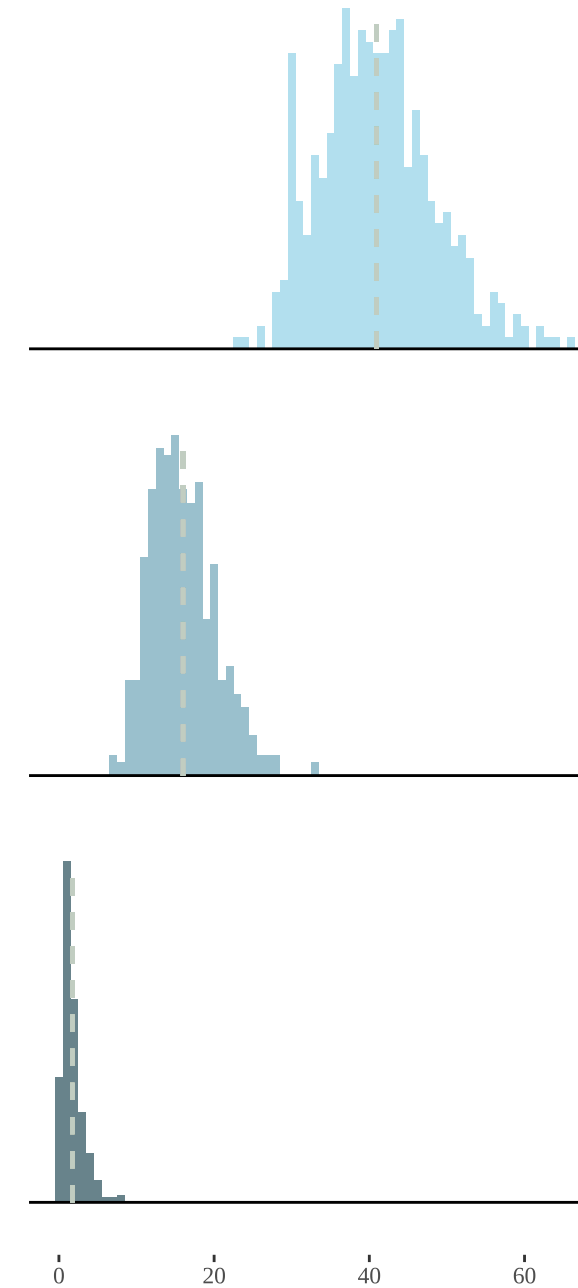


$\chi^2\text{AR}(1)$

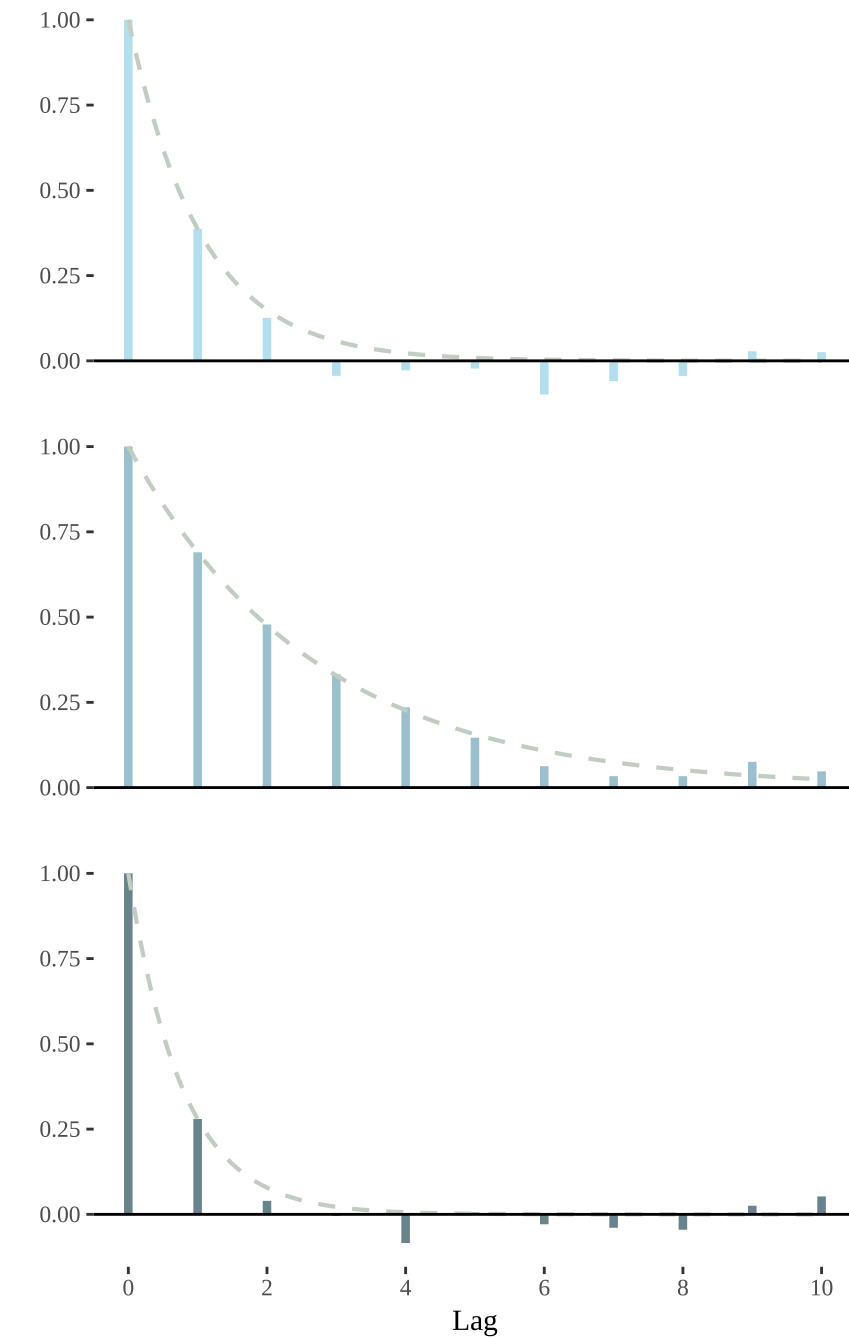
Time series



Marginal distribution



Sample ACF



- $c = 0, v = 25, \varphi = 0.4 \rightarrow \mu = 40.94, \sigma^2 = 53.97, \gamma = 0.45$
- $c = 0, v = 5, \varphi = 0.7 \rightarrow \mu = 16, \sigma^2 = 17.79, \gamma = 0.66$
- $c = 0, v = 1, \varphi = 0.4 \rightarrow \mu = 1.72, \sigma^2 = 1.86, \gamma = 1.67$