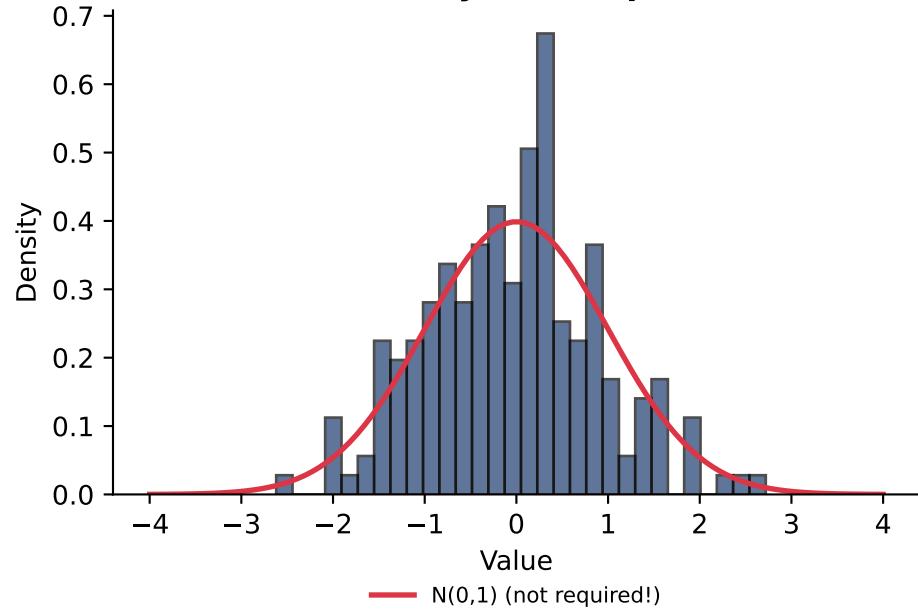
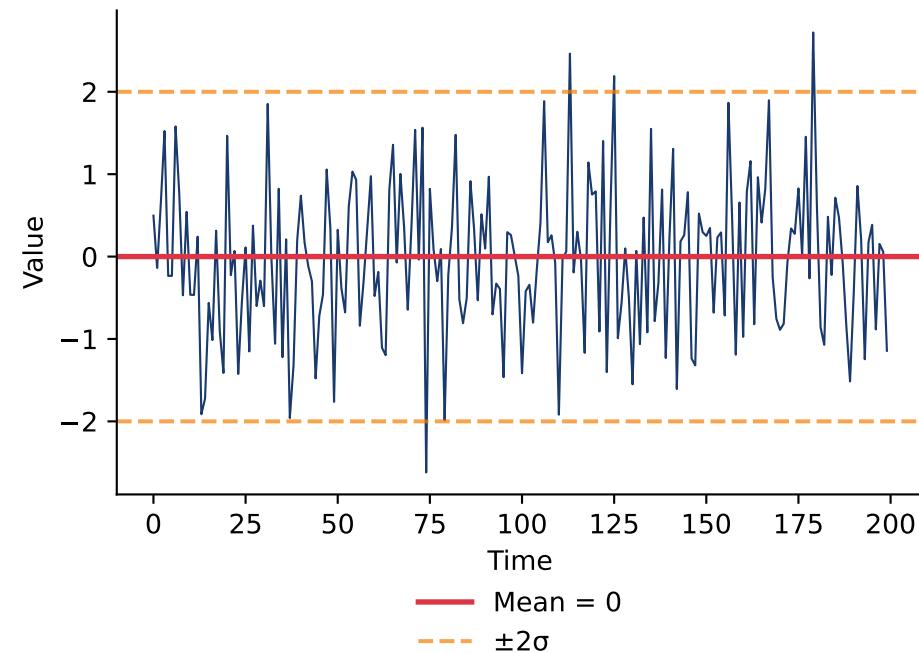


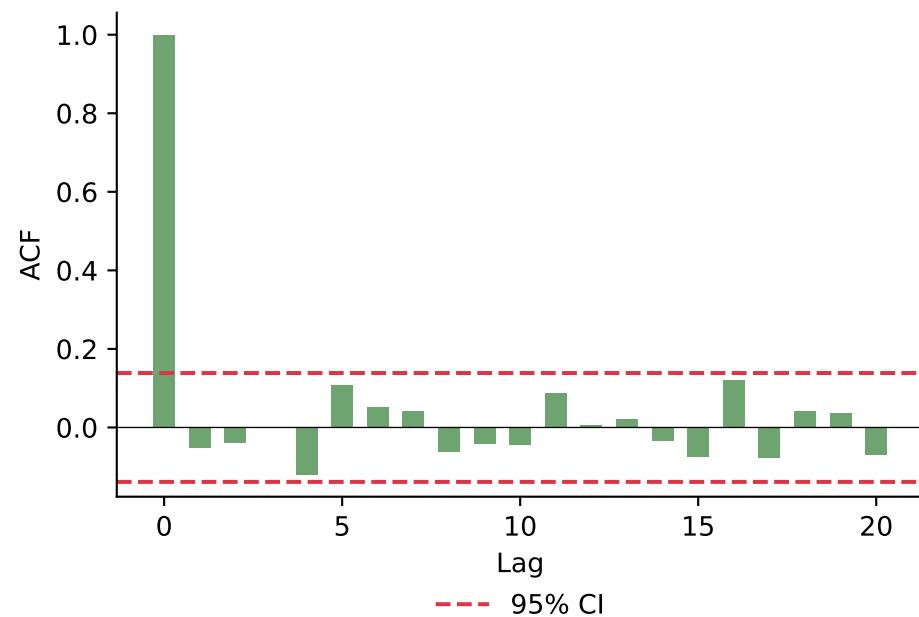
White Noise: $\varepsilon_t \sim WN(0, \sigma^2)$

**Distribution
(Normality NOT required)**



ACF: No Autocorrelation
 $Cov(\varepsilon_t, \varepsilon_s) = 0$ for $t \neq s$

White Noise Properties



1. $E[\varepsilon_t] = 0$

Zero mean

2. $Var(\varepsilon_t) = \sigma^2$

Constant variance

3. $Cov(\varepsilon_t, \varepsilon_s) = 0$

Uncorrelated

4. $\varepsilon_t \sim N(0, \sigma^2)$

NOT required!