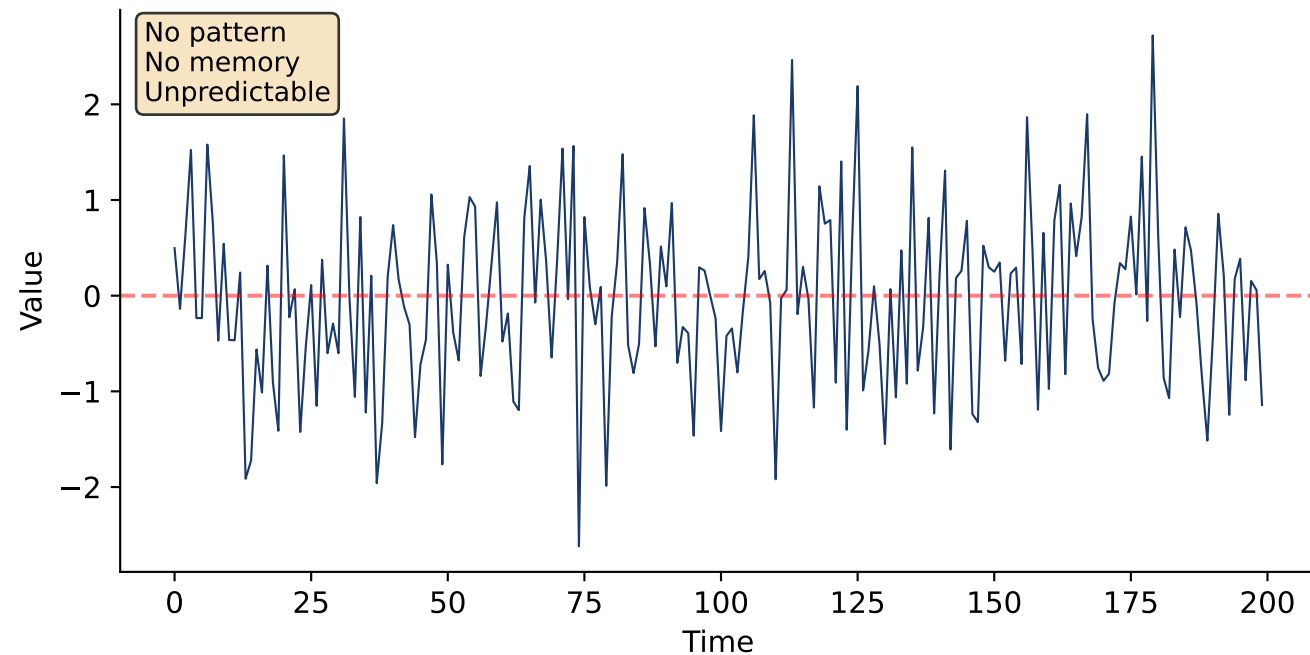
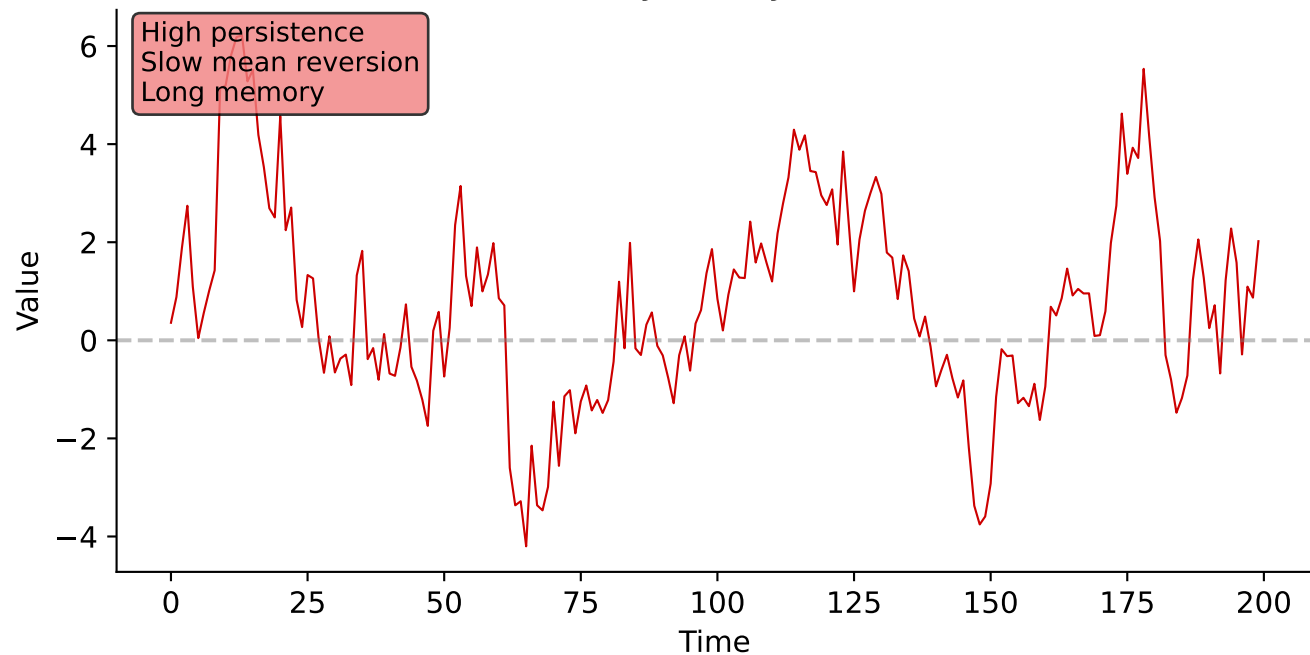


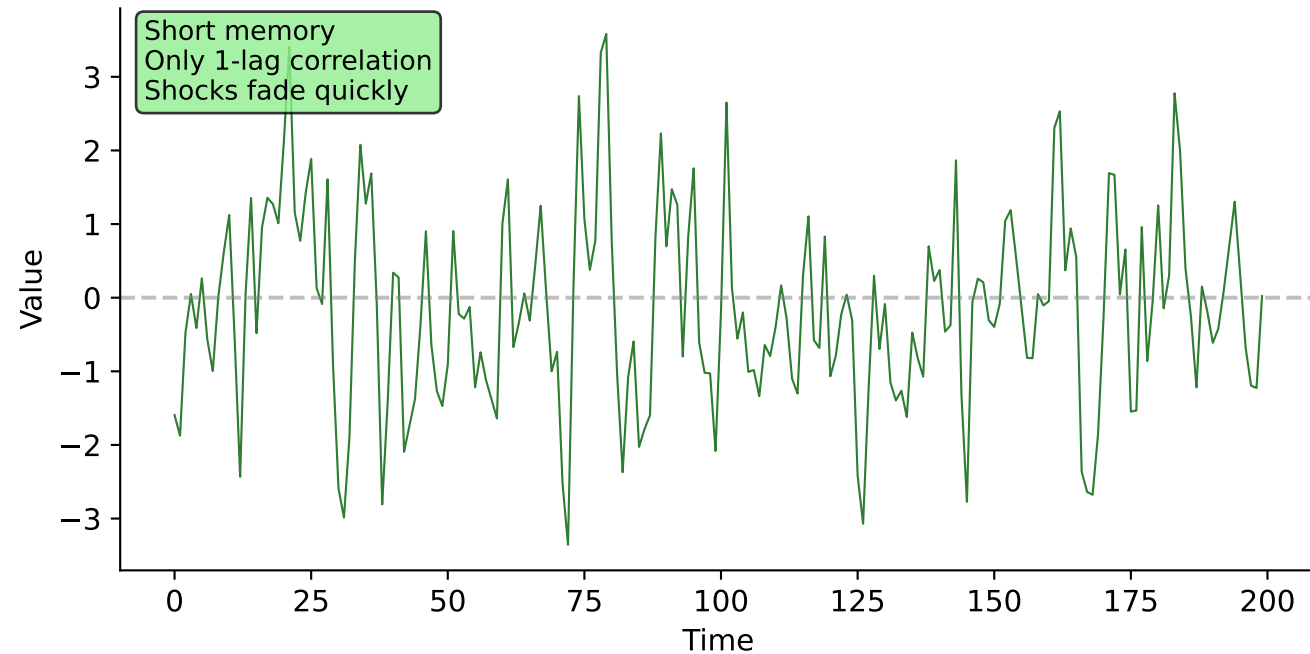
White Noise: $\varepsilon_t \sim N(0, 1)$



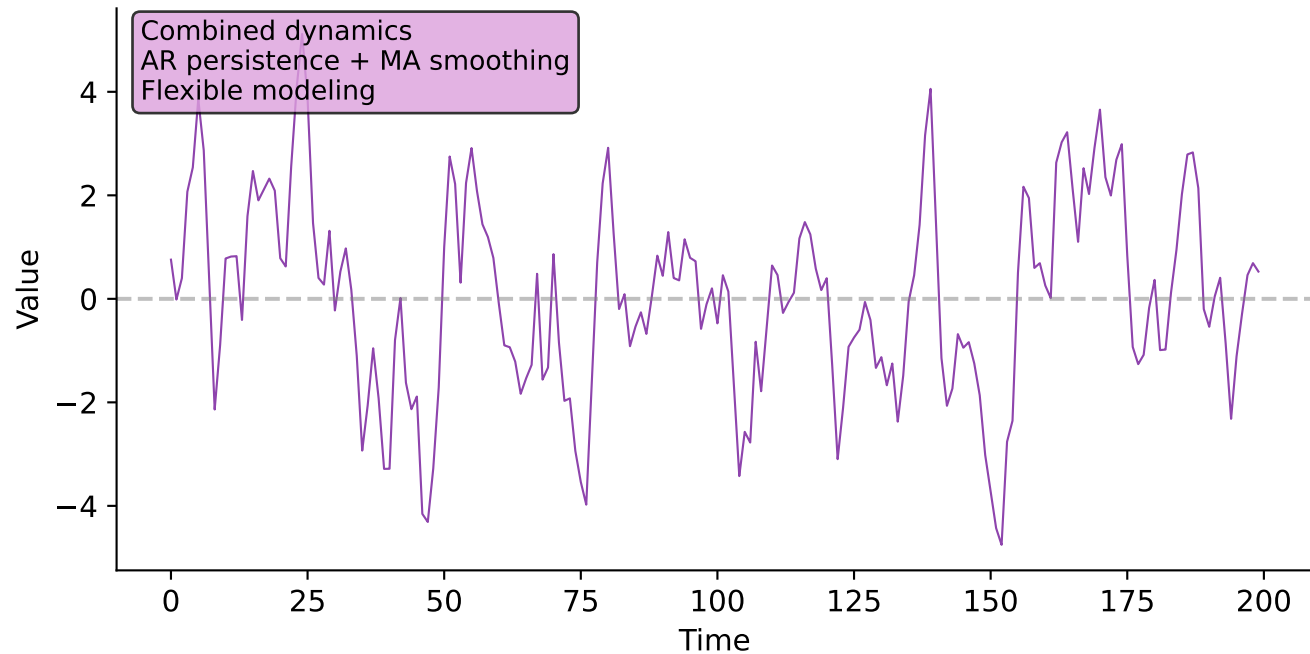
AR(1): $y_t = 0.9y_{t-1} + \varepsilon_t$



MA(1): $y_t = \varepsilon_t + 0.8\varepsilon_{t-1}$



ARMA(1,1): $y_t = 0.7y_{t-1} + \varepsilon_t + 0.5\varepsilon_{t-1}$



— White Noise — AR(1): $\phi=0.9$ — MA(1): $\theta=0.8$ — ARMA(1,1)