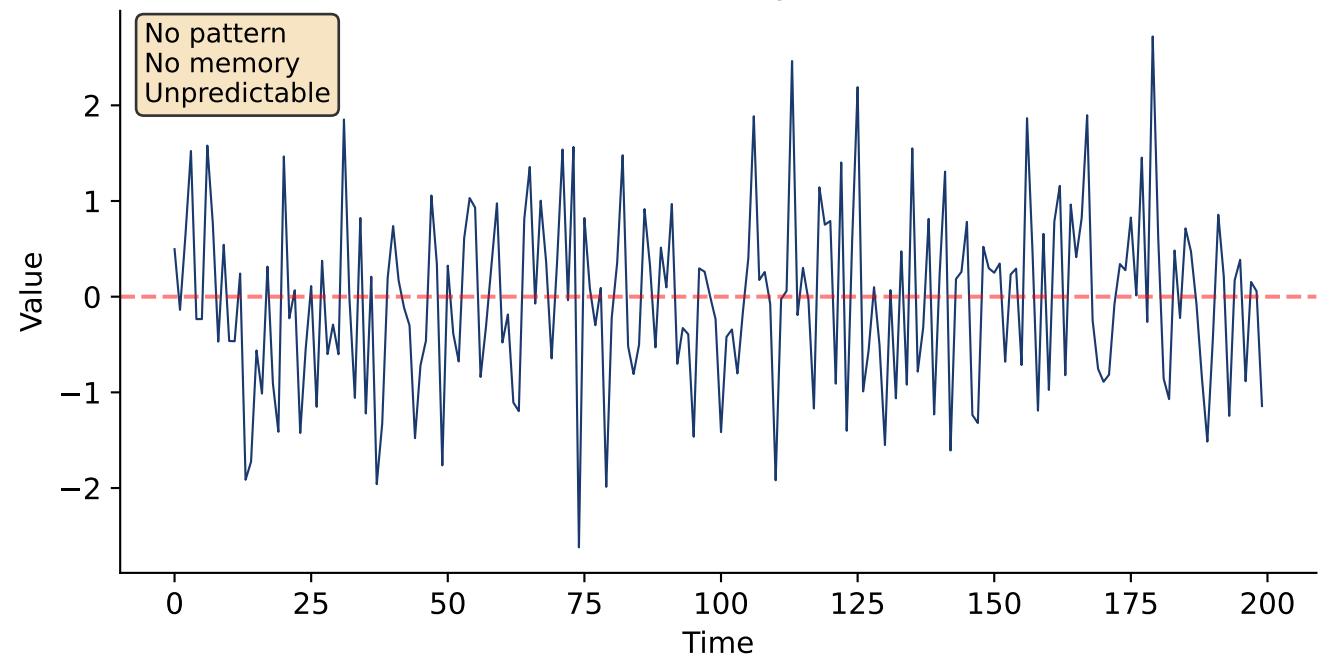
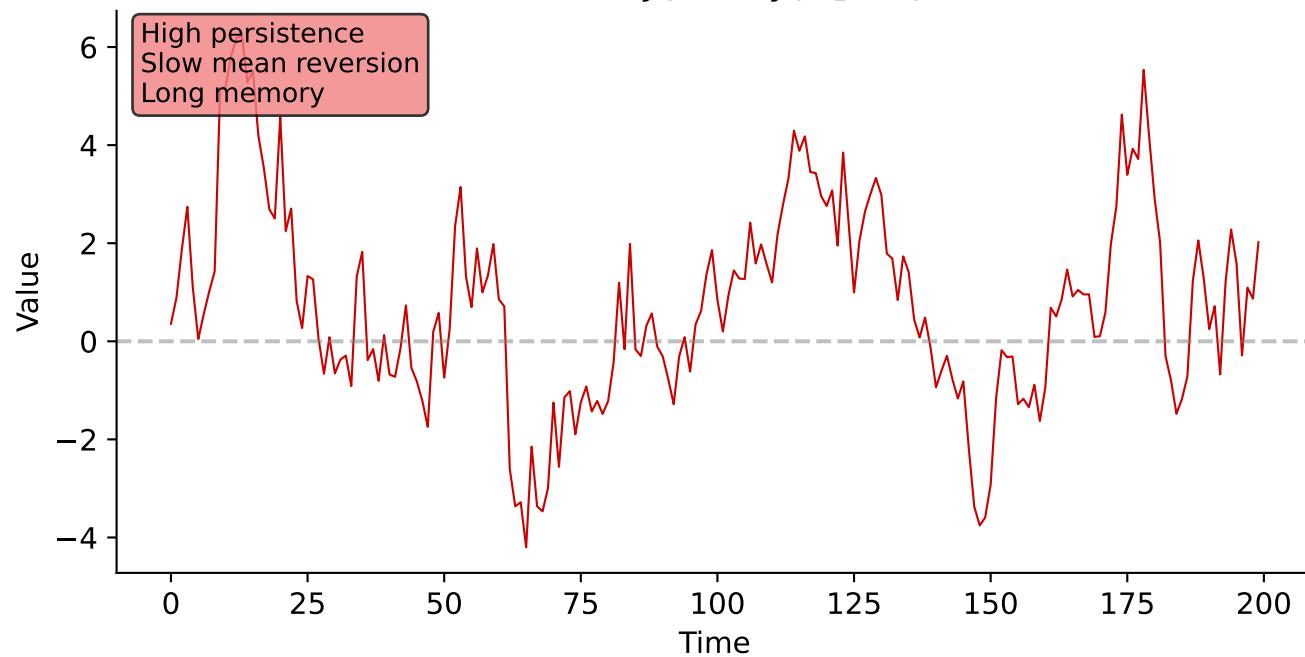
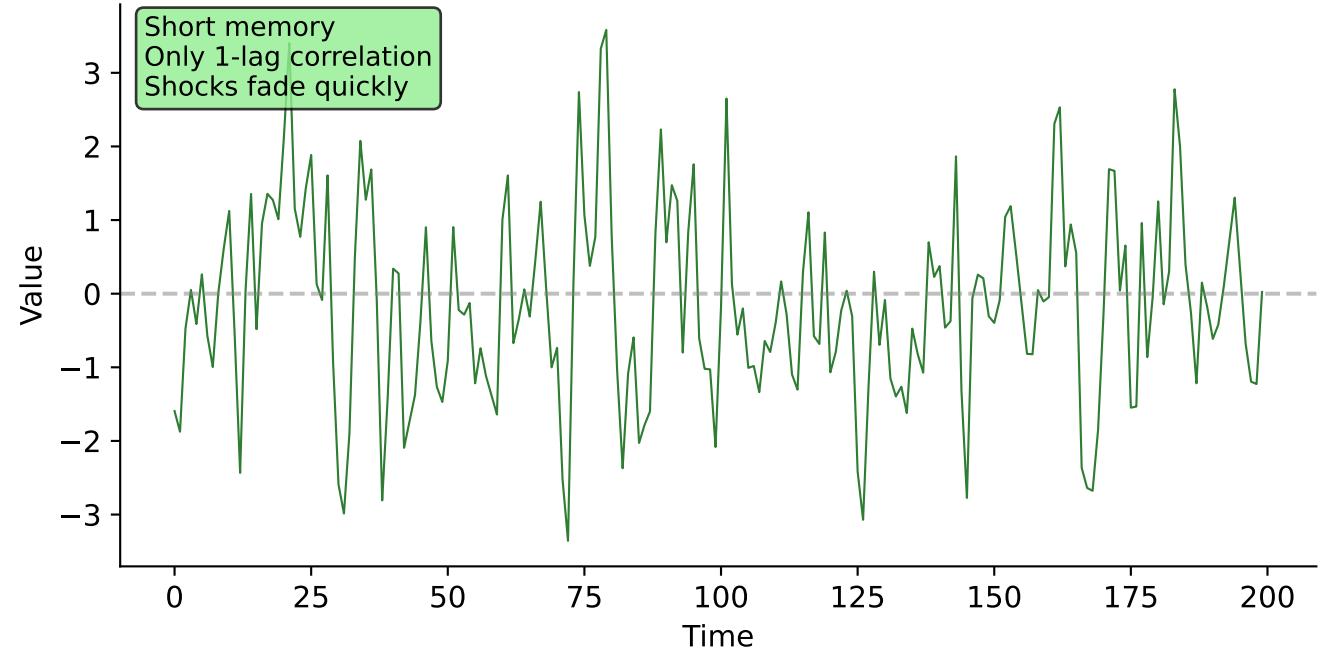
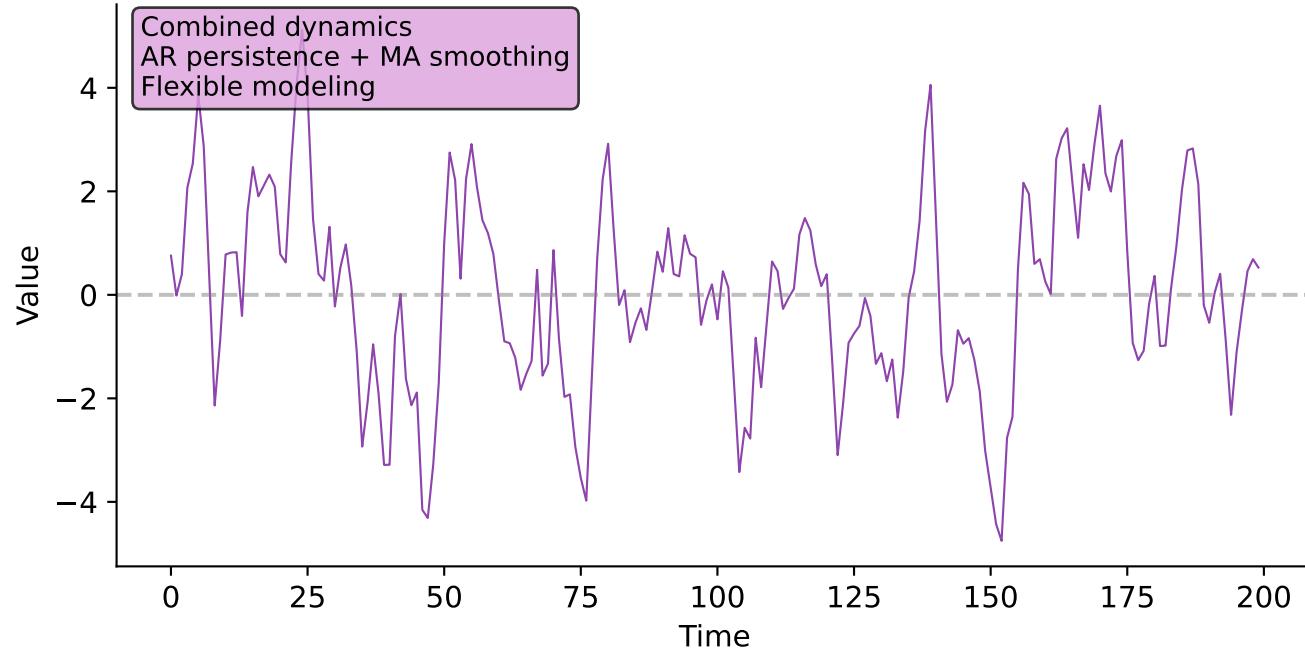


White Noise: $\varepsilon_t \sim N(0, 1)$ **AR(1):** $y_t = 0.9y_{t-1} + \varepsilon_t$ **MA(1):** $y_t = \varepsilon_t + 0.8\varepsilon_{t-1}$ **ARMA(1,1):** $y_t = 0.7y_{t-1} + \varepsilon_t + 0.5\varepsilon_{t-1}$ 

White Noise

AR(1): $\phi=0.9$ MA(1): $\theta=0.8$

ARMA(1,1)