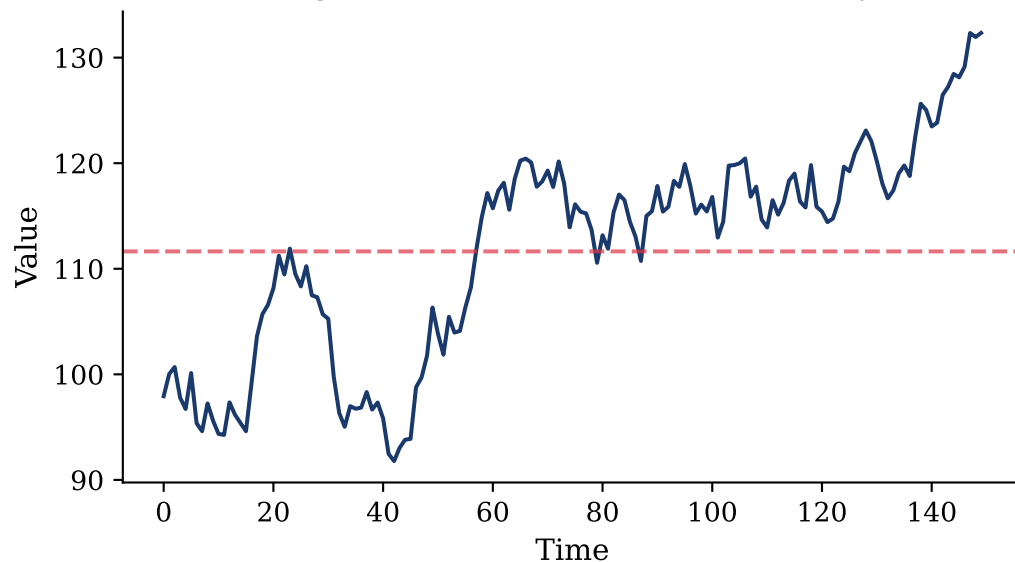
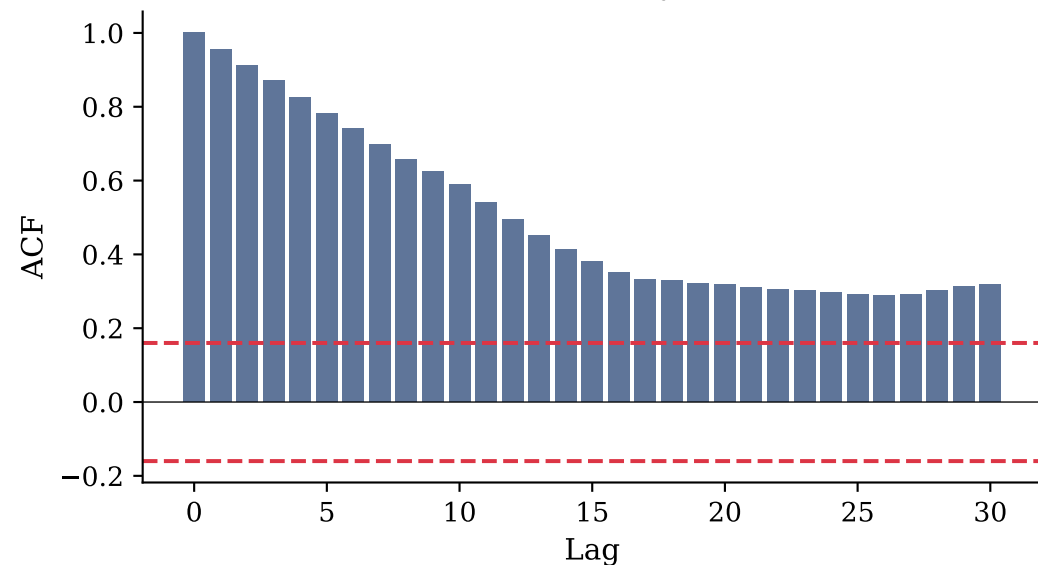


The Magic of Differencing: Converting Non-Stationary to Stationary

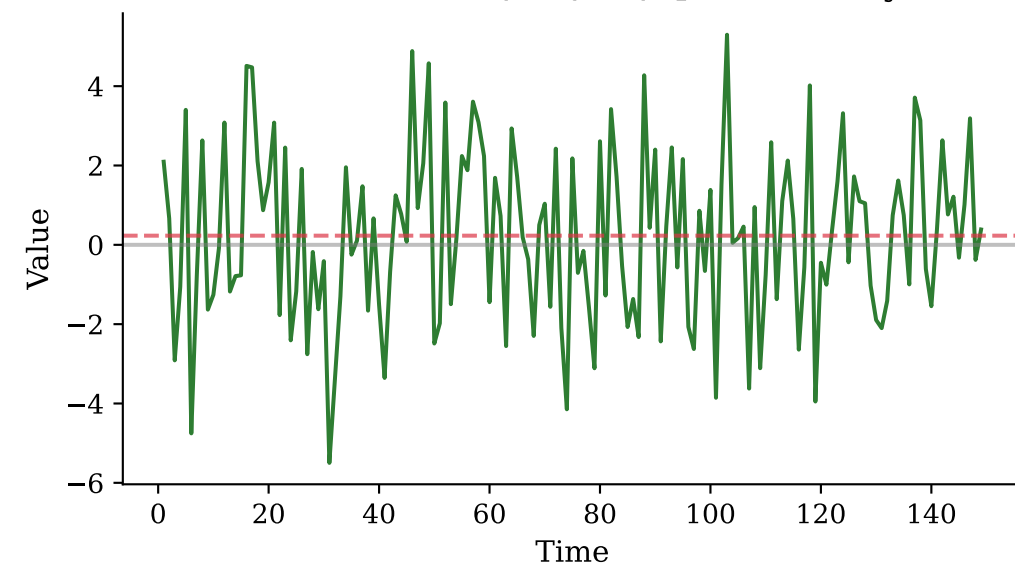
Original Series: Y_t (Non-Stationary)



ACF of Y_t : Slow Decay (Unit Root)



Differenced: $\Delta Y_t = Y_t - Y_{t-1}$ (Stationary)



ACF of ΔY_t : Quick Decay (Stationary)

