Random Walk with Drift: $X_t = \delta + X_{t-1} + \varepsilon_t$
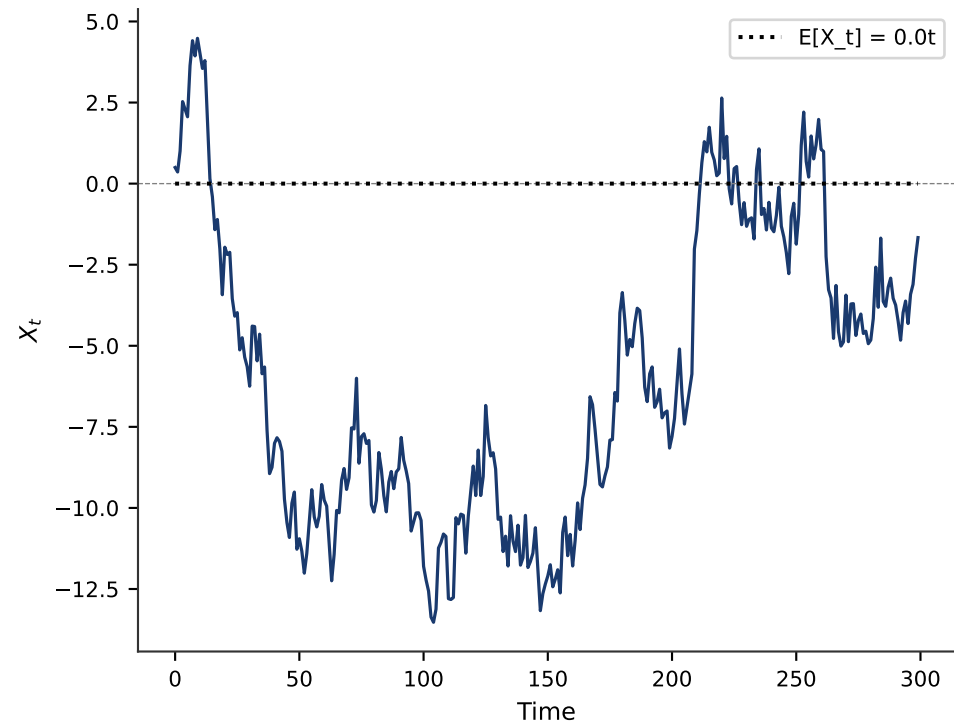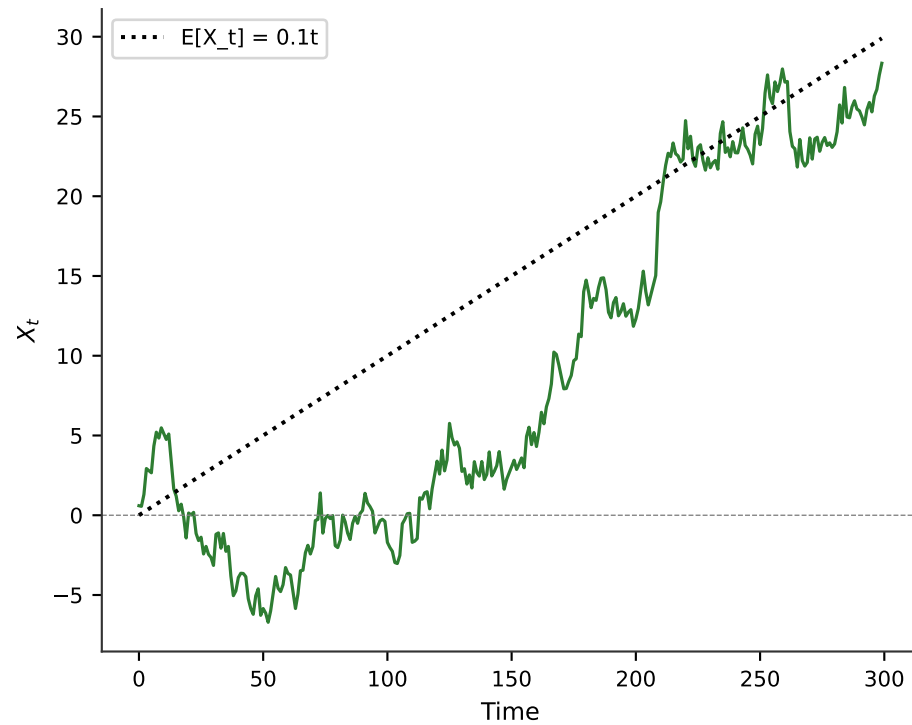

RW: $\delta = 0$

E[X_t] = 0.0t

RW with drift: $\delta = 0.1$

E[X_t] = 0.1t

RW with drift: $\delta = -0.05$

E[X_t] = -0.05t