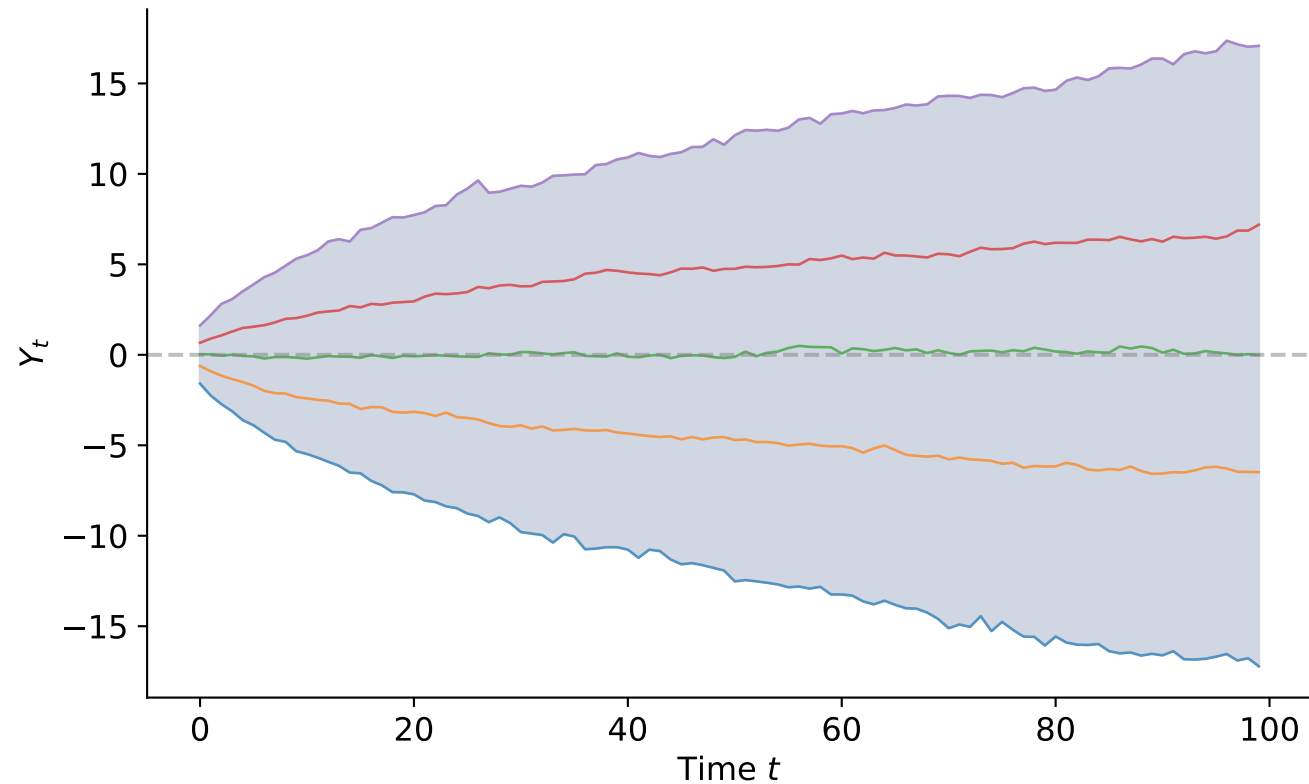
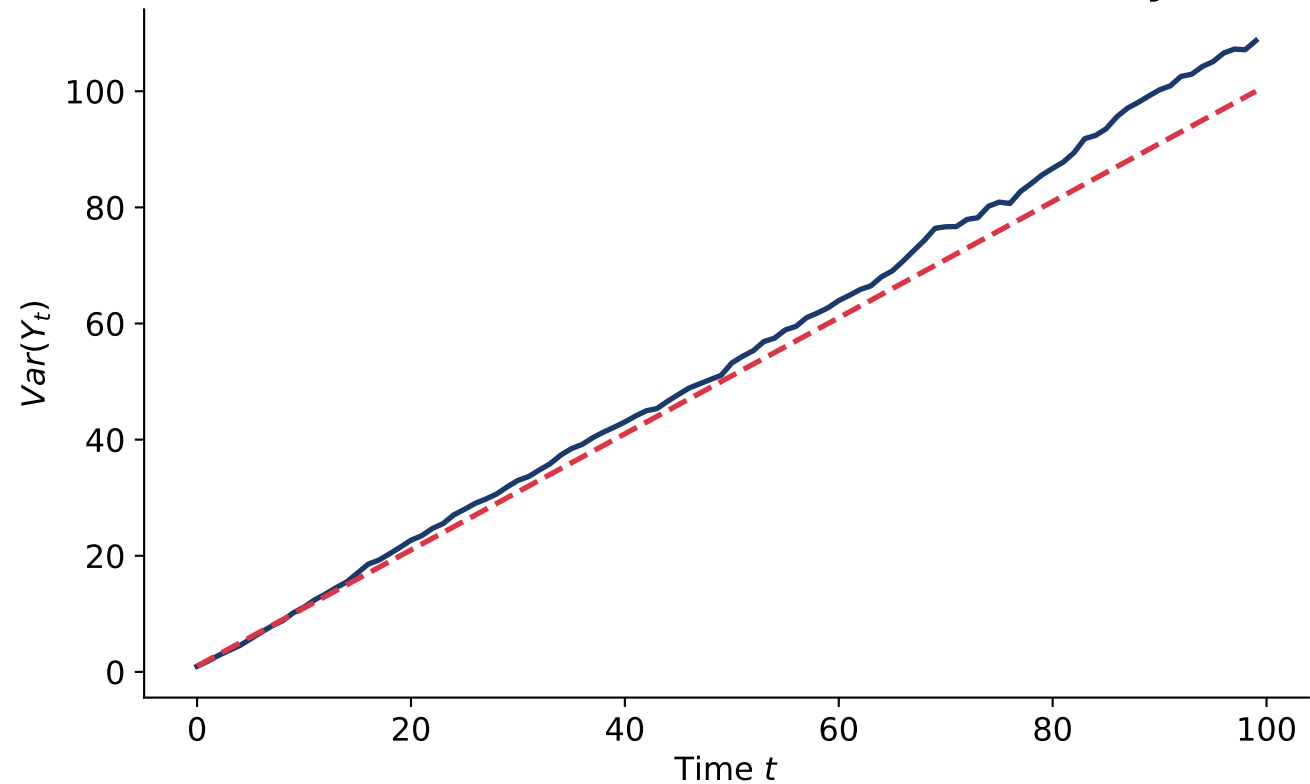


Random Walk Paths: Variance Grows Over Time



Variance of Random Walk Grows Linearly



— Sample Variance - - - Theoretical: $Var(Y_t) = t\sigma^2$