Assignment 12 Chapter 12

To submit this assignment on Dec 14 before class.

- 12.3 Use the definition η_t = r_t² σ_{t|t-1}² [Equation (12.2.4) on page 287] and show that {η_t} is a serially uncorrelated sequence. Show also that η_t is uncorrelated with past squared returns, that is, show that Corr(η_t, r²_{t-k}) = 0 for k > 0.
 12.4 Substituting σ_{t|t-1}² = r_t² η_t into Equation (12.2.2) on page 285 show the algebra that leads to Equation (12.2.5) on page 287.
 12.5 Verify Fraction (12.2.8) are page 288.
- 12.5 Verify Equation (12.2.8) on page 288.