Exercise 6

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- 1. (a) In the file sp500.wf1, compute the historical 1% VaR using equantile. Note that this uses the entire sample, rather than the last m returns.
 - (b) Determine the Normal VaR.
 - (c) Determine the VaR based on a GARCH(1, 1) model with Normal innovations, and with standardized t innovations.
 - (d) Make a plot with your VaR estimates overlaid on the negative log returns.
 - (e) Test your VaR forecasts for correct unconditional coverage, independence, and correct conditional coverage.