

Testing for Granger Causality
Two approaches: F-test or Would chi-square test on all lags
of a variable (s) jointly.
Lo Ho: all lags have zero coefficients, Ha: some lag(s) has have non zero wells Let The F-test requires normally distributed error terms, but in large samples is equivalent to the Wald test because! I'm m, f ~ 2" m, Tips for interpreting the printout:

- The final test fore each variable (Cvar. 7 <= ALL) indicates the endogeneity of the variable

Le Either test detail causality amongst specific variables Sometimes the p-values of the F-test and Wald chi-squere test will disagree. In this case you need to be cognizant of the F-test requiring normally distributed error terms. on the VAR system. p-value reject Ho that errors are normally distributed and rely on the Wald chi-square test.