Teaching Time Series analysis course using RcmdrPlugin.Econometrics

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For time series analysis, there are various packages of R, available under the taskviews Econometrics, Finance and Time Series in CRAN, with the main user interaction via Command Line Interface (CLI). See, for instance, Cryer and Chan (2008), Kleiber and Zeilis (2008), Pfaff (2008), Racine and Hyndman (2002) and Cribari-Neto and Zarkos (1999) for a comprehensive discussion of R application in Time Series and Econometrics modeling. Unfortunately, for teaching purpose, R-CLI seems to be less user friendly and relatively difficult to use, especially if we compare it with the commercial softwares which have an extensive GUI capabilities, such as Eviews. For solving this problems, Hodgess and Vobach (2008) introduced RcmdrPlugin.epack, a R-GUI package for doing time series analysis. In this talk, we introduce a new GUI package for time series analysis, called as RcmdrPlugin.Econometrics (Rosadi et al., 2009). In the current version of the plug-in, the menu contains all models that have been introduced in the course of "Introduction to Forecasting" and "Introduction to Time Series Analysis", offered in our Department. We provide empirical examples showing some unique features of RcmdrPlugin.Econometrics. For the future development, we plan to add more menus for various models that are popular for Econometric society and studied in various econometrics related courses in our Department.

Keywords: R Commander Plug-ins, Open Source, Time Series Analysis