The traitr package

Abstract

The traitr package provides an interface to writing GUIs within R as an alternative to using RGtk2 directly or gWidgets. The basic design is inspired by the traitsUI python package, and uses the model-view-controller paradigm. The simplest usage requires the user to simply specify the types of data for the model behind the GUI, leaving the choice of control and layout to the package. More advanced uses include specifying a layout or specifying controllers to be called when changes to the underlying model occur. This talk will introduce the package through several examples.