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.