Package 'DataEntry'

October 5, 2017

Type Package

Title Make it Easier to Enter Questionnaire Data

Version 0.9-3

Date 2017-10-04

Author Jakson Aquino

Maintainer Jakson Aquino <jalvesaq@gmail.com>

Depends gWidgets2, RGtk2, gWidgets2RGtk2, digest

URL https://github.com/jalvesaq/DataEntry

Description This is a GUI application for defining
attributes and setting valid values of variables, and then,
entering questionnaire data in a data.frame.

License GPL (>= 2)

NeedsCompilation no

Repository CRAN

Date/Publication 2017-10-05 15:12:05 UTC

R topics documented:

DataEntry-package *Make it Easier to Enter Questionnaire Data*

Description

This is a GUI application for defining attributes and setting valid values of variables, and then,
entering questionnaire data in a data.frame.

1

Details

The package has only one function visible to users: `DataEntry()`. The function starts a graphical interface and is called when the package is loaded, but if you want to avoid `DataEntry()` being called while loading the package, put in your '.Rprofile':

```
options("DataEntry.autostart" = FALSE)
```

If the graphical interface is already running, `DataEntry()` just changes the focus to its window.

There is no button to save the project because the data is saved whenever a new variable is added to the list of variables or a new row is added to the `data.frame`. The project is also saved when either a variable or a row is edited, and a new backup of the project is created each time the project is opened.

Users have to define attributes of the variables before inserting data in a `data.frame`. Among the attributes, there is a label that will remind the user of the meaning of variable in the data entry form. There is also the possibility of setting valid values (either a list of values or the minimum and maximum valid values).
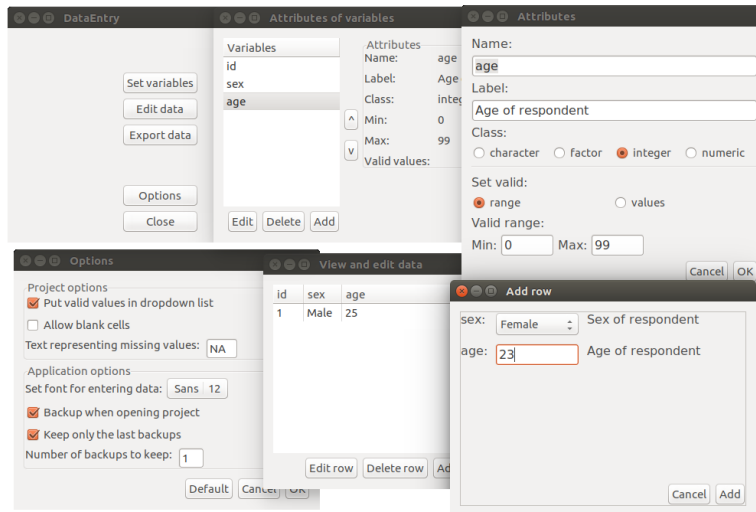
DataEntry behavior is partially customizable. Users can:

- Use a drop list instead of an edit box to insert `factor` data. In this case, you could use the Tab key to move from one field to another and the Up and Down arrow keys to choose the value.

- Allow blank cells in the data entry form.

- Choose a string to represent missing values while entering data. The default string is '"NA"', but users can change it to something easier to type, such as '"-"'.

- Disable the automatic backup of the project.

- Set the maximum number of backup files to keep (that is, automatically delete the older backup files).

The project is saved with extension '.dte', but it is just a regular '.RData' file. While DataEntry is running, data and options are stored in the environment object `DataEntry:::DEenv`. The application options are saved in the directory designated by the operating system for cached data ('$XDG_CACHE_HOME' on Linux and '$APPDATA' on Windows).

The Export data button allows users to export the `data.frame` as a 'csv' file, save it in a 'RData' file or copy it to R Workspace.

The list of variables can be locked with a password. This might be useful if you are setting a project that will later be used by other people to enter data and you want to prevent that the attributes of the variables are accidentally changed.

Screenshot:

Author(s)

Jakson Aquino

Maintainer: Jakson Aquino <jalvesaq@gmail.com>

Examples

```
# The command to open the gui application is:
DataEntry()
```

Index