

Package ‘RcmdrPlugin.DCCV’

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Type Package

Title R Commander Plug-in for Dichotomous Choice Contingent Valuation

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Description Adds menu items to the R Commander for parametric analysis of dichotomous choice contingent valuation (DCCV) data. CV is a question-based survey method to elicit individuals' preferences for goods and services. This package depends on functions regarding parametric DCCV analysis in the package DCchoice. See Carson and Hanemann (2005) <doi:10.1016/S1574-0099(05)02017-6> for DCCV.

License GPL (>= 2)

Imports Rcmdr

Depends DCchoice

RcmdrModels sbchoice, dbchoice, oohbchoice

NeedsCompilation no

Repository CRAN

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RcmdrPlugin.DCCV-package

*R Commander Plug-in for Parametric Analysis of Dichotomous
Choice Contingent Valuation Data*

Description

This package adds menu items to the R Commander for parametric analysis of dichotomous choice contingent valuation (DCCV) data. CV is a question-based survey method to elicit individuals' preferences for goods and services. This package depends on functions regarding parametric DCCV analysis in the package `DCchoice`. See Carson and Hanemann (2005) <doi:10.1016/S1574-0099(05)02017-6> for DCCV.

Details

This package is an R Commander plug-in package for parametric analysis of dichotomous choice contingent valuation (DCCV) data. It depends on **DCchoice** (Nakatani et al. 2020) and **Rcmdr** (Fox 2005, 2017; Fox and Bouchet-Valat 2020). Refer to **DCchoice-package**, Aizaki et al. (2014), and “Non-Market Valuation with R” <<http://lab.agr.hokudai.ac.jp/nmvr/>> for a brief introduction to DCCV in R.

After successfully installing and loading the **RcmdrPlugin.DCCV**, the R Commander window will appear, and then you will find “DCCV” added to the top-level menus in the R Commander window.

Selecting “DCCV” displays some menu items. When selecting a menu item, the corresponding dialog box is open. The following dialog boxes are provided by **RcmdrPlugin.DCCV**:

- The dialog box for “Fit parametric model...” implements a parametric analysis of DCCV data using `sbchoice` (single-bounded DCCV), `oohbchoice` (one-and-one-half-bounded DCCV), or `dbchoice` (double-bounded DCCV) in **DCchoice**.
- The dialog box for “Calculate confidence intervals for WTP...” calculates confidence intervals for willingness to pay (WTP) from the fitted model using `krCI` or `bootCI` in **DCchoice**.
- The dialog box for “Draw survival function...” draws a survival function of the fitted model using `plot.sbchoice` or `plot.dbchoice` in **DCchoice**.

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Author(s)

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References

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Nakatani T, Aizaki H, Sato K (2020) DCchoice: Analyzing Dichotomous Choice Contingent Valuation Data. R package 0.0.17. <https://cran.r-project.org/package=DCchoice>.

Examples

```
if (interactive()) {  
  library(RcmdrPlugin.DCCV)  
}
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