Package 'RcmdrPlugin.cpd'

October 12, 2022

Type Package

Title R Commander Plug-in for Complex Pearson Distributions

Version 0.2.0

Date 2022-09-10

Maintainer Silverio Vilchez-Lopez <svilchez@ujaen.es>

Depends R (>= 4.2.0), cpd (>= 0.3.0), RcmdrMisc (>= 2.7-2)

Imports Rcmdr (>= 2.7-0)

Description Provides an 'Rcmdr' plug-in based on the 'cpd' package.

License GPL (>= 2)

NeedsCompilation no

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Repository CRAN

Encoding UTF-8

RoxygenNote 7.2.1

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R topics documented:

RcmdrPlugin.cpd	*'cpd' Plug-In for R Commander that adds the complex Pearson Distributions to the 'Rcmdr' package.*

Description

This package is an R Commander "plug-in" based on the 'cpd' package (see cpd). It adds new discrete distributions belonging to the complex Pearson family to the 'Discrete distributions' submenu. Specifically, it allows for obtaining probabilities, quantiles, random numbers and graphs of the complex biparametric or triparametric Pearson and extended biparametric Waring distributions.

Details

Package: RcmdrPlugin.cpd

Type: Package

Title: R Commander Plug-In for Complex Pearson Distributions

Version: 0.2.0

Date: 2022-09-15

Depends: R (>= 4.2.0), cpd (>= 0.3.0), RcmdrMisc (>= 2.7-2)

License: GPL (>= 2)

Author(s)

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See Also

Rcmdr

Examples

```
## Not run:
   ## start R
  library(RcmdrPlugin.cpd)      ## loads the package and opens the Rcmdr window with the complex
                          ## Pearson distributions in the 'Discrete distributions' submenu
## End(Not run)
```

RcmdrPlugin.Utility   *'cpd' Plug-In Utility Functions*

Description

'cpd' Plug-In Utility Functions

Usage

```
cbpSamples()

ctpSamples()

ebwSamples()

cbpPlot()

ctpPlot()

ebwPlot()

cbpMass()

ctpMass()

ebwMass()

cbpProbabilities()

ctpProbabilities()

ebwProbabilities()

cbpQuantiles()

ctpQuantiles()

ebwQuantiles()
```

Value

Not return value, the effects are shown in 'Rcmdr' GUI

Index