

Package ‘RcmdrPlugin.cpd’

January 20, 2025

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

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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' sub-menu. 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)

Silverio Vilchez-Lopez and Maria Jose Olmo-Jimenez. Maintainer: Silverio Vilchez-Lopez

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

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