Package 'irtDemo'

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Type Package

Title Item Response Theory Demo Collection

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Description Includes a collection of shiny applications to demonstrate
or to explore fundamental item response theory (IRT) concepts
such as estimation, scoring, and multidimensional IRT models.

Depends R (>= 3.2.4)

Imports shiny (>= 0.13.2), fGarch (>= 3010.82)

License GPL (>= 2)

NeedsCompilation no

Repository CRAN

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R topics documented:

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irtDemo *Item Response Theory Demo Collection*

Description

Includes a collection of shiny applications to demonstrate or to explore fundamental item response
theory (IRT) concepts such as estimation, scoring, and multidimensional IRT models.

Usage

```
irtDemo(text)
```

Arguments

text   argument in quotes referring to the name of shiny application. See details for
                 the list of applications.

Details

text argument can be one of the followings:

- "mle" for *Maximum Likelihood Estimation*
- "est2pl" for *Estimation in 2PL Model*
- "est3pl" for *Estimation in 3PL Model*
- "eapmap" for *Expected a Posteriori (EAP) and Maximum a Posteriori (MAP) Estimation*
- "dich" for *Dichotomous IRT Models*
- "gpcm" for *Generalized Partial Credit and Partial Credit Models*
- "grm" for *Graded Response Model*
- "grsm" for *Generalized Rating Scale and Rating Scale Models*
- "nrm" for *Nominal Response Model*
- "mirt" for *Multidimensional Item Response Theory Model*

Author(s)

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Examples

```
## Not run:

  irtDemo("eapmap")
  irtDemo("mirt")

## End(Not run)
```

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