

# Package: irtDemo (via r-universe)

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**Type** Package

**Title** Item Response Theory Demo Collection

**Version** 0.1.4

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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

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**Repository** <https://metinbulus.r-universe.dev>

**RemoteUrl** <https://github.com/metinbulus/irtdemo>

**RemoteRef** HEAD

**RemoteSha** 6d4391141922385d44817282b3ae4c34fd2f62f7

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irtDemo

*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.

### 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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