

# Package ‘shinyIRT’

May 9, 2026

**Type** Package

**Title** Item Response Theory Analysis with a 'shiny' Application

**Version** 0.1

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**Description** Performing Item Response Theory analysis such as parameter estimation, ability estimation, item and model fit analyse, local independence assumption, dimensionality assumption, characteristic and information curves under various models with a user friendly 'shiny' interface.

**Imports** magrittr, shiny, shinydashboard, shinycssloaders, readxl, stats, mirt, psych, irtoys

**License** GPL (>= 3)

**Encoding** UTF-8

**LazyData** true

**NeedsCompilation** no

**Repository** CRAN

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## Contents

shinyIRT . . . . .	1
<b>Index</b>	<b>3</b>

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shinyIRT	<i>Item Response Theory Analysis with a Shiny Application</i>
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## Description

Performing Item Response Theory analysis such as parameter estimation, ability estimation, item and model fit analyse, local independence assumption, dimensionality assumption, characteristic and information curves under various models with a user friendly 'shiny' interface.

**Usage**

```
shinyIRT()
```

**Value**

No return value, launches 'shiny' application

**Examples**

```
if(interactive()){  
  ## Run this code for launching the 'shiny' application  
  shinyIRT()  
}
```

# Index

shinyIRT, 1