

# Package ‘TestAnaAPP’

February 8, 2024

**Title** The 'shiny' App for Test Analysis and Visualization

**Version** 0.1.8

**Description** This application enables exploratory factor analysis, confirmatory factor analysis, classical measurement theory analysis, unidimensional item response theory, multidimensional item response theory, and continuous item response model analysis, through the 'shiny' interactive interface. It also facilitates the visualization of the results. Users can easily download the analysis results from the interactive interface. Additionally, users can download a concise report about items and test quality on the interactive interface.

**Depends** ggplot2 (>= 3.4.3), mirt (>= 1.40), shinydashboard (>= 0.7.2), EstCRM (>= 1.6), tidySEM (>= 0.2.4)

**License** GPL (>= 3)

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**Imports** DT (>= 0.29), golem (>= 0.4.1), shiny (>= 1.7.5), officedown (>= 0.3.0), stringr (>= 1.5.0), dplyr (>= 1.1.2), bruceR (>= 2023.8.23), officer (>= 0.6.2), openxlsx (>= 4.2.5.2), rmarkdown (>= 2.24), plotrix (>= 3.8-2), cowplot (>= 1.1.1), flextable (>= 0.9.2), shinycssloaders (>= 1.0.0), tidyr (>= 1.3.0)

**URL** <https://github.com/jiangyouxiang/TestAnaAPP>

**NeedsCompilation** no

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**Repository** CRAN

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run\_app

*By using run\_app() function in 'TestAnaAPP' package without any arguments, you can perform your test analysis in a friendly interactive interface.*

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### **Description**

By using run\_app() function in 'TestAnaAPP' package without any arguments, you can perform your test analysis in a friendly interactive interface.

### **Usage**

```
run_app()
```

### **Value**

No explicit return value. The function is called for its side effects, which include running the interactive application.

### **Examples**

```
if(interactive()){  
  TestAnaAPP::run_app()  
}
```

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