

# Package ‘appRiori’

February 13, 2024

**Version** 0.0.5

**Title** Code and Obtain Customized Planned Comparisons with 'appRiori'

**Description** With 'appRiori', users upload the research variables and the app guides them to the best set of comparisons fitting the hypotheses, for both main and interaction effects. Through a graphical explanation and empirical examples on reproducible data, it is shown that it is possible to understand both the logic behind the planned comparisons and the way to interpret them when a model is tested.

**License** GPL (>= 3)

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**URL** <https://github.com/Ugranziol/appRiori>

**BugReports** <https://github.com/Ugranziol/appRiori/issues>

**Imports** dplyr, DT, hydr, markdown, MASS, pracma, rhandsontable, shiny, shinythemes, sortable, stringr

**NeedsCompilation** no

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**Repository** CRAN

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appRiori

*Running appRiori*

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**Description**

This function runs the appRiori Shiny app.

**Usage**

```
appRiori(...)
```

**Arguments**

... Arguments passed on to [shiny::runApp\(\)](#)

**Value**

No return value, called for side effects

**See Also**

[runApp\(\)](#)

**Examples**

```
## Not run:  
# Run the app with default settings  
library(appRiori)  
appRiori()  
  
## End(Not run)
```

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contrasts\_summary*Summary for hypr contrasts*

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**Description**

Extract the estimates and the inferential tests for a contrasts defined by [hypr](#)

### Usage

```
contrasts_summary(model, ...)  
  
## Default S3 method:  
contrasts_summary(model, ...)  
  
## S3 method for class 'merMod'  
contrasts_summary(model, ...)  
  
## S3 method for class 'glmerMod'  
contrasts_summary(model, ...)
```

### Arguments

model            a model of class `lm`, `glm` or `lmer`.  
...              additional options (not used at the moment)

### Value

A results table of class `hypr_contrasts_results`.

### Examples

```
library(MASS)  
df<-MASS::anorexia  
df$Treat = factor(df$Treat)  
library ( hypr )  
h <- hypr ( ~ 1/2 * CBT + 1/2 * FT - Cont , ~ CBT - FT , levels = c( "CBT" , "Cont" , "FT" ))  
contrasts(df$Treat,how.many=2)<-cmat(h)  
model = lm ( Prewt ~ Treat , data = df )  
contrasts_summary ( model )
```

---

```
print.hypr_contrasts_results  
                          Print for hypr contrasts
```

---

### Description

Pretty print the estimates and the inferential tests for a contrasts defined by [hypr](#)

### Usage

```
## S3 method for class 'hypr_contrasts_results'  
print(x, ...)
```

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*print.hypr\_contrasts\_results*

**Arguments**

x                    an object of class `hypr_contrasts_results`  
...                  additional options (not used at the moment)

**Value**

A results table

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