Package 'rjdmarkdown'

May 8, 2020

Type Package

Title 'rmarkdown' Extension for Formatted 'RJDemetra' Outputs

Version 0.1.0

Description Functions to have nice 'rmarkdown' outputs of the
seasonal and trading day adjustment models made with 'RJDemetra'.

Depends R (>= 3.1.1),

Imports RJDemetra, knitr, kableExtra, magrittr

License EUPL

URL https://github.com/AQLT/rjdmarkdown

LazyData TRUE

BugReports https://github.com/AQLT/rjdmarkdown/issues

SystemRequirements Java SE 8 or higher

Encoding UTF-8

RoxygenNote 7.0.2

VignetteBuilder knitr

Suggests rmarkdown, ggdemetra

NeedsCompilation no

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Repository CRAN

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R topics documented:

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print_decomposition   *Print the decomposition*

Description

Function to print the decomposition model

Usage

```
print_decomposition(
  x,
  format = "latex",
  plot = TRUE,
  digits = 3,
  decimal.mark = getOption("OutDec"),
  booktabs = TRUE,
  ...
)
```

Arguments

x	the object to print.
format	output format: "latex" or "html".
plot	boolean indicating whether to plot or not the S-I Ratio.
digits	number of digits after the decimal point.
decimal.mark	the character to be used to indicate the numeric decimal point.
booktabs	boolean indicating whether to use or not the booktabs package (when format = "latex").
...	arguments passed to plot.decomposition_X11 or plot.decomposition_SEATS.

Examples

```
ipi <- RJDemetra::ipi_c_eu[, "FR"]

jsa_x13 <- RJDemetra::jx13(ipi)
print_decomposition(jsa_x13, format = "latex")


sa_ts <- RJDemetra::jtramoseats(ipi)
print_decomposition(sa_ts, format = "html")
```

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print_diagnostics   *Print the diagnostics*

Description

Function to print diagnostics tests on the quality of the pre-processing and the decomposition

Usage

```
print_diagnostics(
  x,
  format = "latex",
  signif.stars = TRUE,
  tests = c("mean", "skewness", "kurtosis", "ljung box",
    "ljung box (residuals at seasonal lags)", "ljung box (squared residuals)",
    "qs test on sa", "qs test on i", "f-test on sa (seasonal dummies)",
    "f-test on i (seasonal dummies)", "Residual seasonality (entire series)",
   "Residual seasonality (last 3 years)", "f-test on sa (td)", "f-test on i (td)"),
  digits = 3,
  decimal.mark = getOption("OutDec"),
  booktabs = TRUE,
  ...
)
```

Arguments

x	the object to print.
format	output format: `"latex"` or `"html"`.
signif.stars	logical; if TRUE, p-values are additionally encoded visually as 'significance stars' in order to help scanning of long coefficient tables
tests	characters containing the names of the tests to print.
digits	number of digits after the decimal point.
decimal.mark	the character to be used to indicate the numeric decimal point.
booktabs	boolean indicating whether to use or not the booktabs package (when `format = "latex"`).
...	unused arguments.

Examples

```
ipi <- RJDemetra::ipi_c_eu[, "FR"]

jsa_x13 <- RJDemetra::jx13(ipi)
print_diagnostics(jsa_x13, format = "latex")
```

```
sa_ts <- RJDemetra::tramoseats(ipi)
print_diagnostics(sa_ts, format = "html")
```

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print_preprocessing   *Print the pre-processing model*

Description

Function to print the pre-processing model

Usage

```
print_preprocessing(
  x,
  format = "latex",
  signif.stars = TRUE,
  digits = 3,
  decimal.mark = getOption("OutDec"),
  booktabs = TRUE,
  summary = TRUE,
  likelihood = TRUE,
  arima = TRUE,
  regression = TRUE,
  ...
)
```

Arguments

x	the object to print.
format	output format: `"latex"` or `"html"`.
signif.stars	logical; if TRUE, p-values are additionally encoded visually as 'significance stars' in order to help scanning of long coefficient tables
digits	number of digits after the decimal point.
decimal.mark	the character to be used to indicate the numeric decimal point.
booktabs	boolean indicating whether to use or not the booktabs package (when format = "latex").
summary	boolean indicating whether to use or not the summary section.
likelihood	boolean indicating whether to use or not the likelihood section.
arima	boolean indicating whether to use or not the arima section.
regression	boolean indicating whether to use or not the regression section.
...	unused.

Examples

```
ipi <- RJDemetra::ipi_c_eu[, "FR"]

sa_x13 <- RJDemetra::jx13(ipi)
print_preprocessing(sa_x13, format = "latex")


sa_ts <- RJDemetra::tramoseats(ipi)
print_preprocessing(sa_ts, format = "html")
```

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