Package 'seasonalview'

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Type Package

Title Graphical User Interface for Seasonal Adjustment

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Description A graphical user interface to the 'seasonal' package and
'X-13ARIMA-SEATS', the U.S. Census Bureau's seasonal adjustment software.
Unifies the code base of <http://www.seasonal.website> and the GUI in the
'seasonal' package.

Depends R (>= 3.0.0), seasonal (>= 1.4)

Imports shinydashboard (>= 0.5.3), shiny (>= 0.14), dygraphs (>=
1.1.1.3), htmlwidgets, openxlsx, xtable, xts, zoo

License GPL-3

URL http://www.seasonal.website

BugReports https://github.com/christophsax/seasonalview

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R topics documented:

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seasonalview-package *Graphical User Interface for Seasonal Adjustment*

Description

A graphical user interface to the seasonal package and X-13ARIMA-SEATS, the U.S. Census Bureau's seasonal adjustment software. The seasonalview package unifies the code base of http://www.seasonal.website with the GUI in the **seasonal** package.

Details

Have a look at the README for usage examples: https://CRAN.R-project.org/package=seasonalview/README.html

Author(s)

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See Also

view for the main function of seasonalview.

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standalone *Stand Alone Seasonal Web-Application*

Description

Previews a stand alone web application for seasonal adjustment, whith the same look and feel as http://www.seasonal.website. Allows import and export of data via an 'Up-/Download' button.

Usage

```
standalone()
```

See Also

view to interactively modify a "seas" object.

Examples

```
## Not run:
standalone()

## End(Not run)
```

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view   *Interactively Modify a Seasonal Adjustment Model*

Description

Interactively modify a `"seas"` object. The goal of `view` is to summarize all relevant options, plots and statistics of a seasonal adjustment model.

Usage

```
view(x = NULL, story = NULL, quiet = TRUE, ...)
```

Arguments

x	an object of class `"seas"`.
story	character, local file path or URL to an `".Rmd"` file.
quiet	logical, if `TRUE` (default), error messages from calls in `view` are not shown in the console.
...	arguments passed to [runApp](#). E.g., for selecting if the GUI should open in the browser or in the RStudio viewer pane.

Details

Frequently used options can be modified using the drop down selectors in the upper left box. Each change will result in a re-estimation of the seasonal adjustment model. The R-call, the X-13 call, the graphical output and the summary are updated accordingly.

Alternatively, the R call can be modified manually in the lower left box. Click 'Run Call' to re-estimate the model and to adjust the option selectors, the graphical output, and the summary. With the 'To console' button, the GUI is closed and the call is imported to R. The 'Static' button substitutes automatic procedures by the automatically chosen spec-argument options, in the same way as the [static](#) function.

If you are familiar with the X-13 spec syntax, you can modify the X-13 call, with the same consequences as when modifying the R call.

The lower right panel shows the summary, as described in the help page of [summary.seas](#). The 'X-13 output' button opens the complete output of X-13 in a separate tab or window.

If you have the **x13story** package installed (not yet on CRAN, see references), you can call the function with the `story` argument. This will render an R Markdown document and produce a *story* on seasonal adjustment that can be manipulated interactively.

Value

`view` returns an object of class `"seas"`, the modified model; or `NULL`, if the `story` argument is supplied.

References

Seasonal vignette with a more detailed description: http://www.seasonal.website/seasonal.html

Development version of the **x13story** package: https://github.com/christophsax/x13story

Examples

```
## Not run:

m <- seas(AirPassengers)
view(m)

# store the model after closing the GUI, for further processing in R
m.upd <- view(m)

## End(Not run)
```

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