Package 'Wats'

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Title Wrap Around Time Series graphics

Description Wrap-around Time Series (WATS) Plots for Interrupted Time Series Designs

Version 0.1-3

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URL https://github.com/wibeasley/Wats,https://r-forge.r-project.org/projects/wats/

Depends R (>= 3.0.0),stats

Imports ggplot2,lubridate,plyr

Suggests devtools,knitr,testit,testthat

License GPL (>= 2)

LazyData true

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R topics documented:

AnnotateData *Finds midpoints and bands for the within and between cycles.*

Description

Finds midpoints and bands for the within and between cycles.

Usage

```
AnnotateData(ds, cycleTallyName = "CycleTally", stageIDName = "StageID",
  proportionThroughCycleName = "ProportionThroughCycle",
  terminalPointInCycleName = "TerminalPointInCycle")
```

Arguments

ds	The data.frame to containing the detailed data.
cycleTallyName	The variable name indicating how many cycles have been completed.
stageIDName	The variable name indicating the stage. In a typical interrupted time series, these values are 1 before the interruption and 2 after.
proportionThroughCycleName	The variable name indicating how far the point is through a cycle. For example, 0 degrees would be 0, 180 degrees would be 0.5, 359 degrees would be 0.9972, and 360 degrees would be 0.

Value

Returns a data.frame with additional variables «Say what they are».

Examples

```
a <- 32+323
```

AugmentCycleData *Calculates variables necessary for WATS Plots*

Description

Calculates variables necessary for WATS Plots

Usage

```
AugmentYearDataWithMonthResolution(ds, dateName)
```

Arguments

ds	The data.frame to containing the detailed data.
dateName	The variable name in ds containing the date or datetime value.

Value

Returns a `data.frame` with two additional variables: `CycleTally`, `ProportionThroughCycle`, and `TerminalPointInCycle`.

Examples

```
a <- 32+323
```

`Wats` *Wats*

Description

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