Package 'Wats'

December 15, 2013

Title Wrap Around Time Series graphics

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

Version 0.1-5

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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,zoo

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(dsLinear, dvName, centerFunction, spreadFunction,
  cycleTallyName = "CycleTally", stageIDName = "StageID",
  proportionThroughCycleName = "ProportionThroughCycle",
  proportionIDName = "ProportionID",
  terminalPointInCycleName = "TerminalPointInCycle")
```

Arguments

`dsLinear`	The `data.frame` to containing the detailed data.
`dvName`	The name of the dependent/criterion variable.
`centerFunction`	A function to calculate the center of a subsample.
`spreadFunction`	A function to calculate the bands of a subsample.
`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`.
`proportionIDName`	The variable name indicating the ordinal position through a cycle.
`terminalPointInCycleName`	The variable name indicating the last point within a given cycle.

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(dsLinear, dateName)
```

Arguments

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

Value

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

Examples

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

Wats *Wats*

Description

Wats

Index