

Package ‘LinkIt’

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Title An Algorithm for Dataset Linkage

Version 0.0

Authors 'Brian Libgober <libgober@gmail.com > [aut,cre], Connor Jerzak <cjerzak@g.harvard.edu> [aut, cre]'

Description An R package for estimating record linkage.

Depends R (>= 3.3.3)

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Encoding UTF-8

LazyData true

Maintainer 'Connor Jerzak' <connor.jerzak@gmail.com>

Imports data.table,plyr

RoxygenNote 7.1.1

R topics documented:

FastFuzzyMatch	1
getPerformance	2
LinkIt	3

Index	4
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FastFuzzyMatch	<i>FastFuzzyMatch</i>
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Description

Record linkage description.

Usage

FastFuzzyMatch(x,y,by,...)

Arguments

`x, y` data frames to be merged
`by, by.x, by.y` specifications of the columns used for merging.
`control` A list specifying how to process the alias text. See “Details”.

Details

LinkIt can automatically process the alias text for each dataset. In ‘Control’, users can specify the following options.

Set ‘RemoveCommonWords’ to TRUE to remove common words (those appearing in > 10% of aliases).

Set ‘NormalizeSpaces’ to TRUE to remove hanging whitespaces.

Set ‘RemovePunctuation’ to TRUE to remove punctuation.

Set ‘ToLower’ to TRUE to ignore case.

Set ‘PreprocessingFuzzyThreshold’ to some number between 0 and 1 to specify the threshold for the pre-processing fuzzy matching step.

Value

`z` The merged data frame.

getPerformance

getPerformance

Description

Record linkage description.

Usage

```
getPerformance(x, y, by, ...)
```

Arguments

`x, y` data frames to be merged
`by, by.x, by.y` specifications of the columns used for merging.
`control` A list specifying how to process the alias text. See “Details”.

Details

LinkIt can automatically process the alias text for each dataset. In ‘Control’, users can specify the following options.

Set ‘RemoveCommonWords’ to TRUE to remove common words (those appearing in > 10% of aliases).

Set ‘NormalizeSpaces’ to TRUE to remove hanging whitespaces.

Set ‘RemovePunctuation’ to TRUE to remove punctuation.

Set ‘ToLower’ to TRUE to ignore case.

Set ‘PreprocessingFuzzyThreshold’ to some number between 0 and 1 to specify the threshold for the pre-processing fuzzy matching step.

Value

z The merged data frame.

LinkIt	<i>LinkIt</i>
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Description

Record linkage description.

Usage

```
LinkIt(x,y,by,...)
```

Arguments

x, y	data frames to be merged
by, by.x, by.y	specifications of the columns used for merging.
control	A list specifying how to process the alias text. See “Details”.

Details

LinkIt can automatically process the alias text for each dataset. In ‘Control’, users can specify the following options.

Set ‘RemoveCommonWords’ to TRUE to remove common words (those appearing in > 10% of aliases).

Set ‘NormalizeSpaces’ to TRUE to remove hanging whitespaces.

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Set ‘ToLower’ to TRUE to ignore case.

Value

z The merged data frame.

Index

FastFuzzyMatch, [1](#)

getPerformance, [2](#)

LinkIt, [3](#)