

Package ‘rjstat’

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Type Package

Title Read and Write 'JSON-stat' Data Sets

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Description Read and write the 'JSON-stat' format (<http://json-stat.org>) to and from (lists of) R data frames. Not all features are supported, especially the extensive metadata features of 'JSON-stat'.

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Encoding UTF-8

URL <https://github.com/ajschumacher/rjstat>

BugReports <https://github.com/ajschumacher/rjstat/issues>

Imports jsonlite (>= 0.9.8), assertthat

Suggests testthat (>= 0.8), reshape (>= 0.7)

NeedsCompilation no

Repository CRAN

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fromJSONstat	<i>Convert JSON-stat format to data frame(s)</i>
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Description

This function takes characters of a JSON-stat format response (or the corresponding R list equivalent) and returns a list of data frames with columns for each dimension and one value column.

Usage

```
fromJSONstat(x, naming = "label", use_factors = FALSE)
```

Arguments

x	the JSON-stat format in characters (or R list equivalent)
naming	whether to use (longer) labels or (shorter) ids
use_factors	whether dimension categories should be factors or character objects

Examples

```
## Not run:  
oecd.canada.url <- "http://json-stat.org/samples/oecd-canada.json"  
results <- fromJSONstat(readLines(oecd.canada.url))  
names(results)  
  
## End(Not run)
```

rjstat	<i>Read and write JSON-stat data sets</i>
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Description

JSON-stat is a JSON format for data dissemination. The **rjstat** package converts data frames to and from this format. The extensive metadata features of JSON-stat are not supported.

toJSONstat	<i>Convert data frame(s) to JSON-stat format</i>
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Description

This function takes a data frame or list of data frames and returns a string representation in JSON-stat format. The input data frame(s) must be in maximally long tidy format: with only one value column and all other columns representing dimensions. The reserved words `id`, `size` and `role` are not allowed column names.

Usage

```
toJSONstat(x, value = "value", ...)
```

Arguments

<code>x</code>	a data frame or list of data frames
<code>value</code>	name of value column
<code>...</code>	arguments passed on to toJSON

Examples

```
library(reshape)
irises <- melt(cbind(iris, Specimen=rep(1:50, 3)),
              id.vars=c("Species", "Specimen"))
irisJSONstat <- toJSONstat(list(iris=irises))
cat(substr(irisJSONstat, 1, 76))
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