

# Package ‘rjstat’

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**Title** Read and Write 'JSON-stat' Data Sets

**Version** 0.3.0

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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), checkmate (>= 1.7.0)

**Suggests** testthat (>= 1.0.0), reshape (>= 0.7)

**RoxygenNote** 5.0.1

**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 a JSON-stat format response and returns a data frame or a list of data frames, with columns for each dimension and one value column.

### Usage

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

### Arguments

x	JSON-stat format response, or path or URL to such a response
naming	whether to use (longer) labels or (shorter) ids
use_factors	whether dimension categories should be factors or character objects
silent	suppress warnings

### Value

For responses with class `dataset`: A data frame. For responses with class `collection`: An unnamed list of one or more lists or data frames. For responses with class `bundle`: A named list of one or more data frames.

### Examples

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

## End(Not run)
```

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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.

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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.

### Usage

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

### Arguments

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

### Value

For a data frame: A JSON-stat format response with class `dataset`. For a list of data frames: A JSON-stat format response with class `collection`.

### 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))

# Add indentation whitespace
toJSONstat(as.data.frame(Titanic), value = "Freq", pretty = TRUE)
```

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