Package 'rjstat'

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Title Handle 'JSON-stat' Format in R

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Description Handle 'JSON-stat' format (https://json-stat.org) in R. Not all features are supported, especially the extensive metadata features of 'JSON-stat'.
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Encoding UTF-8
<pre>URL https://github.com/ajschumacher/rjstat</pre>
<pre>BugReports https://github.com/ajschumacher/rjstat/issues</pre>
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 ${\tt as.json}$

Convert to jsonlite json object

Description

Convert to jsonlite json object

Usage

```
as.json(x, ...)
```

Arguments

x an object to coerce to a json object.

... additional arguments to be passed to or from methods.

Details

Currently only methods for jsonstat objects are implemented.

as.jsonstat

Create a JSON-stat object

Description

Create a JSON-stat object

Usage

```
as.jsonstat(x)
is.jsonstat(x)
is.jsonstat_dataset(x)
is.jsonstat_collection(x)
is.jsonstat_dimension(x)
```

Arguments

x a JSON-stat string, URL or file

Value

a JSON-stat object with subclass dataset, dimension or collection

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Examples

```
file_path <- system.file("extdata", "oecd.json", package = "rjstat")
x <- as.jsonstat(file_path)
print(x)
is.jsonstat(x)
is.jsonstat_dataset(x)
is.jsonstat_dimension(x)</pre>
```

fromJSONstat

Convert JSON-stat format to data frame(s)

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

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id

id accessors of jsonstat objects

Description

Access and change ids of jsonstat objects.

Usage

```
id(x)
```

```
id(x) \leftarrow value
```

Arguments

x a jsonstat_dataset object

value a character vector of up to the same length as id(x).

rjstat

Read and write JSON-stat data sets

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.

status

status accessors of jsonstat objects

Description

Access and change statuss of jsonstat objects.

Usage

```
status(x)
```

```
status(x) <- value</pre>
```

Arguments

x a jsonstat_dataset object

value a character vector of up to the same length as as.vector(x) or a named list

with index as vector names.

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toJSONstat

Convert data frame(s) to JSON-stat format

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 toJSON
```

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.

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