

Package: SpiGesXML (via r-universe)

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Type Package

Title Extract data from SpiGes XML files

Version 0.0.6

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Description Provide functions to extract data from SpiGes XML files.

License GPL (>= 3)

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

Imports stats, xml2, dplyr, purrr, cli, rlang

RoxygenNote 7.2.3

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

URL <https://swissstatsr.org/SpiGesXML/>

BugReports <https://github.com/swissstatsr/SpiGesXML/issues>

Repository <https://swissstatsr.r-universe.dev>

RemoteUrl <https://github.com/SwissStatsR/SpiGesXML>

RemoteRef HEAD

RemoteSha 5c37ae69b27514005f0c5eaf3a82a3dd0c263fa5

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spiges_get_df *Get SpiGes node as dataframe*

Description

Return a tibble/dataframe of a SpiGes node name. By default, all variables are returned. Variables can be selected using the 'variables' argument.

Usage

```
spiges_get_df(x, node, variables = NULL, schema_xsd = "latest", force = FALSE)
```

Arguments

x	A string, a connection, or a raw vector. See <code>xml2::read_xml</code>
node	Name of the node as string, see <code>get_node_names</code>
variables	Name of the variables, by default returns all variables
schema_xsd	URL of an XSD schema version, by default "latest" version.
force	default FALSE. If TRUE, returns data even if validation error.

Value

data.frame/tibble

spiges_get_name_nodes *Get node names available for data extraction of a SpiGes XML*

Description

Return main and children node names of an SpiGes XML. The node names "Unternehmen", "Standort", "Fall", "Kantonsdaten" are removed as the function `spiges_get_df()` doesn't provide support to extract their related data.

Usage

```
spiges_get_name_nodes(x)
```

Arguments

x	A string, a connection, or a raw vector. See <code>xml2::read_xml</code>
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Value

vector of node names

spiges_get_name_variables

List of official variable names by node

Description

Return a list containing the list of the variables names for each SpiGes XML. The names of the list are equivalent of the node names returned by

Usage

```
spiges_get_name_variables(schema_xsd)
```

Arguments

schema_xsd XSD schema file

Details

Source file: <https://www.bfs.admin.ch/bfs/de/home/statistiken/gesundheit/gesundheitswesen/projekt-spiges.assetdetail.28127962.html>

Value

a list of variable names

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