Package 'gamlr'

March 17, 2022

Type Package

Title Parse GAML Files

Version 0.1.0

Description Open and parse data from a Generalized Analytical Markup Language (GAML) files.

Imports magrittr,
   xml2,
   purrr,
   stringr,
   base64enc,
   dplyr,
   tibble

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.1.2

Roxygen list(markdown = TRUE)

Suggests testthat (>= 3.0.0),
   covr

Config/testthat/edition 3

R topics documented:

decode_array	*Decode Base 64 Arrays*

Description

Decode Base 64 Arrays

Usage

```
decode_array(x, size = 8)
```

Arguments

x	a `base64` encoded character vector
size	a numeric value of byte size to use (default is 8)

Value

a decoded vector

extract_sample	*Extract and Parse Sample Experiment Blocks*

Description

Extract and Parse Sample Experiment Blocks

Usage

```
extract_sample(x)
```

Arguments

x	a `xml2` nodeset for `experiment` blocks

Value

a list of four elements

- `samplename` a character string of the sample name
- `samplename` a character timestamp
- `time` a numeric vector of retention time
- `value` a numeric vector of detector response

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openFile   *Open GAML File*

Description

Open and extract data from a GAML file containing High Performance Liquid Chromatography (HPLC) Refractive Index (RI) data

Usage

```
openFile(gaml_file, output = "list")
```

Arguments

gaml_file	a .gaml file
output	a character string of either list (default) of tbl_df

Value

if output = list then a nested list is returned. If output = tbl_df then all data is returned in a single long format tbl_df

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