Package 'sanapiwrapper'

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Title sanapiwrapper

Description Wrapper functions for Santiment GraphQL API.

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Imports ghql,
tidyr,
jsonlite

Suggests testthat

R topics documented:

`accessRestrictions` *Get access restrictions for a specific Santiment metric or query.*

Description

Get access restrictions for a specific Santiment metric or query.

Usage

```
accessRestrictions(name)
```

Arguments

name	name of Santiment metric or query

Value

single row with columns (isRestricted, name, restrictedFrom, restrictedTo, type)

Examples

```
accessRestrictions('daily_active_addresses')
```

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availableMetrics *Get the available Santiment metrics for a specific project.*

Description

Returns all availabale timeseries metrics (note not the histogram metrics) for a slug.

Usage

```
availableMetrics(slug)
```

Arguments

slug	project

Value

vector of available metrics

Examples

```
availableMetrics('ethereum')
```

---

availableSince *Get the earliest date for which the Santiment metric is available.*

Description

Get the earliest date for which the Santiment metric is available.

Usage

```
availableSince(metric, slug)
```

Arguments

metric	metric
slug	project

Value

earliest date

Examples

```
availableSince('daily_active_addresses', 'ethereum')
```

`availableSlugs` *Get the available slugs for a specific metric*

Description

Get the available slugs for a specific metric

Usage

```
availableSlugs(metric)
```

Arguments

`metric`	Santiment metric

Value

vector of available slugs

Examples

```
availableSlugs('daily_active_addresses')
```

`santimentMetric` *Get a metric from the Santiment GraphQL API.*

Description

Checks if the metric is available for the slug. If not, a constant vector is returned. Checks if the metric is available for this time window. For unavailable dates, zeros are returned.

Usage

```
santimentMetric(
  metric,
  slug,
  from = "2019-01-01",
  to = "2020-01-01",
  aggregation = "SUM",
  selector_option = NULL
)
```

Arguments

metric	Santiment metric
slug	project (e.g. ethereum, bitcoin, tezos ...)
from	start of the time window
to	end of the time window
aggregation	aggregation (SUM, AVG, MEDIAN, MIN, MAX)
selector_option	optional string for selector field, for example "holdersCount:10" for "amount_in_top_holders" metric, see "selector: slug: "ethereum", holdersCount:10"

Details

https://neuro.santiment.net https://graphql.org

Value

table with columns (date, <metric>)

Examples

```
santimentMetric('dev_activity', 'ethereum')
```

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santimentQuery *Execute Santiment query.*

Description

A new GraphQL client is generated. A new query is generated, filled with the query string and (optional) variables, and then executed.

Usage

```
santimentQuery(query_string, query_variables)
```

Arguments

query_string	query string
query_variables	optional list of query variables

Value

query result

Examples

```
santimentQuery('{projectBySlug(slug: "ethereum") {availableQueries}}')

string <- 'query MyQuery($slug: String = \"bitcoin\")
           {projectBySlug(slug: $slug) {availableQueries}}'
variables <- list(slug = 'ethereum')
santimentQuery(string, variables)
```

`setSantimentVariables` *Set API key and API URL for Santiment GraphQL queries.*

Description

Note that setting API key and API URL is optional. Without them queries will default to a free Santiment account.

Usage

```
setSantimentVariables(key, url = "https://api.santiment.net/graphql")
```

Arguments

`key`	API key
`url`	GraphQL server URL

Examples

```
setSantimentVariables("y4i3n5xk6p")
```

Index