Package 'ukhsadatR'

July 22, 2025

Title R Interface to Access UKHSA Dashboard Data

Version 0.1.1

Description

Programmatic interface to access data from the UK Health Security Agency (UKHSA) Data Dashboard API. The package was originally based on the 'ukcovid19' package by Pouria Hadjibagheri and has been substantially rewritten and extended. For more information on the API, see <https://ukhsa-dashboard.data.gov.uk/access-our-data>.

URL https://github.com/silverfoxdoc/ukhsadatR

BugReports https://github.com/silverfoxdoc/ukhsadatR/issues

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Depends R (>= 4.3)

Imports httr2, jsonlite, utils

Suggests testthat, knitr, rmarkdown

VignetteBuilder knitr

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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get_data   *Get Data*

Description

Iteratively runs get_paginated_data to download all results and combine them into a data.frame.

Usage

```
get_data(
  theme = NULL,
  sub_theme = NULL,
  topic = NULL,
  geography_type = NULL,
  geography = NULL,
  metric = NULL
)
```

Arguments

theme	the largest overall topical subgroup of data. For example infectious_disease.
sub_theme	a topical subgroup associated with the parent theme. For example respiratory.
topic	categorical subgroup associated with the selected theme and sub_theme. For example, COVID-19.
geography_type	the overarching area type for the intended geography. For example Nation.
geography	the selected area under the geography_type. For example England.
metric	the type of data being selected. For example COVID-19_testing_PCRcountByDay.

Details

For further information on the UKHSA dashboard API please visit the API documentation.

If any input argument is left NULL or invalid, a list of possible values for that parameter is returned.

Value

data.frame containing the query results

Examples

```
get_data(
  theme = "infectious_disease",
  sub_theme = "respiratory",
  topic = "COVID-19",
  geography_type = "Nation",
```

```
      geography = "England",
      metric = "COVID-19_cases_casesByDay"
    )
```

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get_paginated_data   *Get Paginated Data*

Description

Generates API query URL and retrieves paginated data.

Usage

```
get_paginated_data(
  theme = NULL,
  sub_theme = NULL,
  topic = NULL,
  geography_type = NULL,
  geography = NULL,
  metric = NULL,
  page_number = 1,
  page_size = 365
)
```

Arguments

theme	the largest overall topical subgroup of data. For example `infectious_disease`.
sub_theme	a topical subgroup associated with the parent theme. For example `respiratory`.
topic	categorical subgroup associated with the selected theme and sub_theme. For example, `COVID-19`.
geography_type	the overarching area type for the intended geography. For example `Nation`.
geography	the selected area under the `geography_type`. For example `England`.
metric	the type of data being selected. For example `COVID-19_testing_PCRcountByDay`.
page_number	define which page of data to retrieve
page_size	define number of results returned per page. Maximum supported size is 365.

Details

```
      If any input argument is left NULL or invalid, a list of possible values for that parameter is
                      returned.
```

Value

```
            list containing the query structure and results
```

Examples

```
get_paginated_data(
  theme = "infectious_disease",
  sub_theme = "respiratory",
  topic = "COVID-19",
  geography_type = "Nation",
  geography = "England",
  metric = "COVID-19_cases_casesByDay",
  page_number = 2
)
```

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