

Package ‘VancouvR’

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Type Package

Title Access the 'City of Vancouver' Open Data API

Version 0.1.4

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Description

Wrapper around the 'City of Vancouver' Open Data API <<https://opendata.vancouver.ca/api/v2/console>> to simplify and standardize access to 'City of Vancouver' open data. Functionality to list the data catalogue and access data and geographic records.

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Encoding UTF-8

NeedsCompilation no

RoxygenNote 7.1.1

Imports dplyr, httr, rlang, urltools, readr, digest, sf, tibble, purrr

Suggests knitr, rmarkdown, ggplot2, lwgeom, tidyr

VignetteBuilder knitr

URL <https://github.com/mountainMath/VancouvR>,
<https://mountainmath.github.io/VancouvR/>

BugReports <https://github.com/mountainMath/VancouvR/issues>

Repository CRAN

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aggregate_cov_data *Get aggregates from dataset from Vancouver Open Data Portal*

Description

Get aggregates from dataset from Vancouver Open Data Portal

Usage

```
aggregate_cov_data(  
  dataset_id,  
  select = "count(*) as count",  
  group_by = NULL,  
  where = NULL,  
  apikey = getOption("VancouverOpenDataApiKey"),  
  refresh = FALSE  
)
```

Arguments

dataset_id	Dataset id from the Vancouver Open Data catalogue
select	select string for aggregation, default is 'count(*) as count' It accepts ODSQL syntax .
group_by	grouping variables for the query It accepts ODSQL syntax .
where	Query parameter to filter data (default 'NULL' no filter) It accepts ODSQL syntax .
apikey	Vancouver Open Data API key, default 'getOption("VancouverOpenDataApiKey")'
refresh	refresh cached data, default 'FALSE'

Value

tibble format data table output

Examples

```
# Count all parking tickets that relate to fire hydrants by ticket status  
aggregate_cov_data("parking-tickets-2017-2019",  
  group_by = "status",  
  where = "infractioentext LIKE 'FIRE'")
```

`get_cov_data`*Get datasets from Vancouver Open Data Portal*

Description

Get datasets from Vancouver Open Data Portal

Usage

```
get_cov_data(  
  dataset_id,  
  format = c("csv", "geojson"),  
  select = "*",  
  where = NULL,  
  apikey = getOption("VancouverOpenDataApiKey"),  
  rows = NULL,  
  cast_types = TRUE,  
  refresh = FALSE  
)
```

Arguments

<code>dataset_id</code>	Dataset id from the Vancouver Open Data catalogue
<code>format</code>	'csv' or 'geojson' are supported at this time (default 'csv')
<code>select</code>	select string for fields to return, returns all fields by default. It accepts ODSQL syntax .
<code>where</code>	Query parameter to filter data (default 'NULL' no filter) It accepts ODSQL syntax .
<code>apikey</code>	Vancouver Open Data API key, default 'getOption("VancouverOpenDataApiKey")'
<code>rows</code>	Maximum number of rows to return (default 'NULL' returns all rows)
<code>cast_types</code>	Logical, use metadata to look up types and type-cast automatically, default 'TRUE'
<code>refresh</code>	refresh cached data, default 'FALSE'

Value

tibble or sf object data table output, depending on the value of the 'format' parameter

Examples

```
# Get all parking tickets issued at the 1100 block of Alberni Street between 2017 and 2019  
get_cov_data("parking-tickets-2017-2019", where = "block = 1100 AND street = 'ALBERNI ST'")
```

get_cov_metadata *Get metadata for CoV open data dataset*

Description

Get metadata for CoV open data dataset

Usage

```
get_cov_metadata(  
  dataset_id,  
  apikey = getOption("VancouverOpenDataApiKey"),  
  refresh = FALSE  
)
```

Arguments

dataset_id	the CoV open data dataset id
apikey	the CoV open data API key, optional
refresh	refresh cached data, default 'FALSE'

Value

tibble format data table output

Examples

```
# Get the metadata for the street trees dataset  
get_cov_metadata("street-trees")
```

list_cov_datasets *Download the CoV open data catalogue*

Description

Download the CoV open data catalogue

Usage

```
list_cov_datasets(  
  trim = TRUE,  
  apikey = getOption("VancouverOpenDataApiKey"),  
  refresh = FALSE  
)
```

Arguments

trim	trim all NA columns, optional, default 'TRUE'
apikey	the CoV open data API key, optional
refresh	refresh cached data, default 'FALSE'

Value

tibble format data table output

Examples

```
# List and search available datasets
list_cov_datasets()
```

search_cov_datasets *Search for CoV open data datasets*

Description

Search for CoV open data datasets

Usage

```
search_cov_datasets(
  search_term,
  trim = TRUE,
  apikey = getOption("VancouverOpenDataApiKey"),
  refresh = FALSE
)
```

Arguments

search_term	grep string to search through datasets
trim	trim all NA columns, optional, default 'TRUE'
apikey	the CoV open data API key, optional
refresh	refresh cached data, default 'FALSE'

Value

tibble format data table output

Examples

```
# search available datasets relating to trees
search_cov_datasets("trees")
```

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