

Package ‘overturemapsr’

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Title Download Overture Maps Data in R

Version 0.0.4

Description Overture Maps offers free and open geospatial map data sourced from various providers and standardized to a common schema. This tool allows you to download Overture Maps data for a specific region of interest and convert it to several different file formats. For more information, visit [<https://overturemaps.org/download/>](https://overturemaps.org/download/).

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Encoding UTF-8

RoxygenNote 7.3.1

Depends R (>= 3.5.0)

Imports arrow, dplyr, sf

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Contents

dataset_path	2
get_all_overture_types	2
record_batch_reader	3
Index	4

dataset_path *dataset_path*

Description

This function returns the S3 path for the specified Overture dataset type.

Usage

```
dataset_path(overture_type)
```

Arguments

`overture_type` Character. Required. The type of feature to select. Examples include 'building', 'place', etc. To learn more, run `get_all_overture_types()`.

Value

Character. The S3 path to the bucket where the data is stored.

Examples

```
# Example usage
path <- dataset_path('place')
print(path)
```

get_all_overture_types
 get_all_overture_types

Description

This function returns all of the overturemaps theme types.

Usage

```
get_all_overture_types()
```

Value

Character vector. All overturemaps theme types.

Note

The theme types are important for fetching data from the S3 bucket, as they indicate if you are fetching places, buildings, admin, etc.

Examples

```
# Example usage
types <- get_all_overture_types()
print(types)
```

record_batch_reader *record_batch_reader*

Description

This function retrieves a filtered dataset from the specified Overture dataset type, optionally within a bounding box, and converts it to an *sf* object.

Usage

```
record_batch_reader(overture_type, bbox = NULL)
```

Arguments

overture_type Character. Required. The type of feature to select. Examples include 'building', 'place', etc. To learn more, run `get_all_overture_types()`.

bbox Numeric vector. Optional. A bounding box specified as `c(xmin, ymin, xmax, ymax)`. It is recommended to use a bounding box to limit the dataset size and processing time. Without a bounding box, processing the entire dataset (e.g., buildings over 2 billion) can be time-consuming.

Value

An *sf* object containing the filtered dataset based on the bounding box.

Examples

```
# Example usage with a bounding box takes > 20 secs
sf_bbox <- c(-122.5, 37.7, -122.3, 37.8)
result <- record_batch_reader(overture_type = 'place', bbox = sf_bbox)
print(result)
```

Index

`dataset_path`, [2](#)

`get_all_overture_types`, [2](#)

`record_batch_reader`, [3](#)