

Package: misuvi (via r-universe)

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Type Package

Title Access the Michigan Substance Use Vulnerability Index (MI-SUVI)

Version 0.1.0

Maintainer Brenden Smith <brendensmithmi@gmail.com>

Description Easily import the MI-SUVI data sets. The user can import data sets with full metrics, percentiles, Z-scores, or rankings. Data is available at both the County and Zip Code Tabulation Area (ZCTA) levels. This package also includes a function to import shape files for easy mapping and a function to access the full technical documentation. All data is sourced from (<<https://www.michigan.gov/opioids/category-data>>).

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URL <https://github.com/brendensm/misuvi>

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

RoxygenNote 7.3.1

Imports curl, sf, tigris

Repository <https://brendensm.r-universe.dev>

RemoteUrl <https://github.com/brendensm/misuvi>

RemoteRef HEAD

RemoteSha 35bf01b642e30fdbaf246d67d7424bc07ee76dd4

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add_geometry *Add shape files to your data*

Description

This function queries shape files from the tigris package. This function returns an sf object.

Usage

```
add_geometry(x)
```

Arguments

x a data frame for which you want to add shape files to. Must be one of the MI-SUVI data sets.

Value

an sf data.frame of MI-SUVI data.

Examples

```
my_data <- misuvi_load() |> add_geometry()
```

dictionary *View misuvi data dictionary*

Description

This package provides a tidy version of the MI-SUVI data sets. This function returns a data frame of the cleaned variable names and the original variable names.

Usage

```
dictionary()
```

Value

A data.frame of the abbreviated and full names of the MI-SUVI variables.

Examples

```
dictionary()
```

| | |
|---------------|---------------------------------------|
| documentation | <i>View the MI-SUVI Documentation</i> |
|---------------|---------------------------------------|

Description

This function opens up a PDF of the MI-SUVI documentation in your web browser.

Usage

```
documentation()
```

Value

NULL, opens a web browser of the technical documentation.

Examples

```
documentation()
```

| | |
|-------------|--------------------------|
| misuvi_load | <i>Load MI-SUVI Data</i> |
|-------------|--------------------------|

Description

This function allows the user to select the MI-SUVI data set they want returned.

Usage

```
misuvi_load(geography = "county", type = "metrics", moe = FALSE)
```

Arguments

| | |
|-----------|--|
| geography | Choose the geographic level you want returned to you. "county" or "zcta". |
| type | Select the type of data frame you would like. Options include "metrics", "percentiles", "zcores", and "ranks". |
| moe | Logical – choose whether margin of error variables are returned. This applies to the "metrics" data sets only. |

Value

A clean data.frame of MI-SUVI data.

Examples

```
zcta_metrics <- misuvi_load("zcta", "metrics")  
county_zscores <- misuvi_load("county", "zscores")
```

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