

Package: actiwalkability (via r-universe)

October 8, 2026

Type Package

Title Access the EPA Walkability Index

Version 0.1.0

Description Provides helpers for querying the EPA Walkability Index

<<https://www.epa.gov/smartgrowth/national-walkability-index-user-guide-and-methodology>>
and working with Census GEOID/FIPS identifiers
<<https://www.census.gov/programs-surveys/geography/guidance/geo-identifiers.html>>.

License GPL-3

Depends R (>= 4.1.0)

Suggests covr, ggplot2, ggrepel, knitr, withr, testthat, rmarkdown,
curl

Encoding UTF-8

VignetteBuilder knitr

Imports arcgislayers, assertthat, dplyr, rlang

Roxygen list(markdown = TRUE)

Config/roxygen2/version 8.0.0

URL <https://github.com/jhuwit/actiwalkability>,
<https://jhuwit.github.io/actiwalkability/>

BugReports <https://github.com/jhuwit/actiwalkability/issues>

Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev libssl-dev libproj-dev
libsqlite3-dev libudunits2-dev xz-utils libclang-dev

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

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RemoteUrl <https://github.com/jhuwit/actiwalkability>

RemoteRef HEAD

RemoteSha 49a21794dd53dad1d6c7350e5a5cbfe1e7022b45

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acti_epa_walkability	<i>Get EPA Walkability Index</i>
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Description

Get EPA Walkability Index

Usage

acti_epa_walkability(geoid, geometry = TRUE, ...)

Arguments

- geoid GEOID10 of the area of interest. This should be a 12 character string. If NULL, then all GEOIDs are selected. This can be a lot of data, so use with caution.
- geometry Should geometry be returned? Passed to `arcgislayers::arc_select()`
- ... Additional arguments to pass to `arcgislayers::arc_select()`

Value

A data.frame of results.

Note

See <https://geodata.epa.gov/arcgis/rest/services/OA/WalkabilityIndex/MapServer/0>

Examples

acti_epa_walkability(c("240054519002", "240054026041", "245102303002"), geometry = FALSE)

acti_epa_walkability_metadata	<i>Get EPA Walkability Index layer metadata</i>
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Description

Opens the EPA Walkability Index ArcGIS layer and returns its metadata. This includes the available fields, layer extent, geometry type, and service limits such as maxRecordCount.

Usage

```
acti_epa_walkability_metadata()
```

Value

A FeatureLayer object, which is a list containing the ArcGIS layer metadata.

Note

See <https://geodata.epa.gov/arcgis/rest/services/OA/WalkabilityIndex/MapServer/0>

Examples

```
## Not run:  
metadata <- acti_epa_walkability_metadata()  
metadata$fields  
  
## End(Not run)
```

acti_fips15	<i>Get Census Tract FIPS codes</i>
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Description

Get Census Tract FIPS codes

Usage

```
acti_fips15(state, county, tract, block = NA)  
  
acti_fips12(state, county, tract, block = NA)
```

Arguments

state	2-digit state FIPS code.
county	3-digit county FIPS code.
tract	6-digit tract FIPS code.
block	4-digit block FIPS code. If omitted or NA, tract-level codes are returned.

Value

An 11-to-15 digit GEOID/FIPS code.

Examples

```
suppressWarnings(acti_fips15(24, 510, 60400))  
acti_fips15(24, 510, 60400, block = 2002)  
acti_fips12(24, 510, 60400, block = 2002)
```

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