## Package 'lehdr'

July 22, 2025

```
Type Package
Title Grab Longitudinal Employer-Household Dynamics (LEHD) Flat Files
Version 1.1.4
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Description Designed to query Longitudinal Employer-Household Dynamics (LEHD)
     workplace/residential association and origin-destination flat files and
     optionally aggregate Census block-level data to block group, tract, county,
     or state. Data comes from the LODES FTP server <a href="https:">https:</a>
     //lehd.ces.census.gov/data/lodes/LODES8/>.
Depends R (>= 4.0.0)
License MIT + file LICENSE
Encoding UTF-8
Imports readr, rlang, stringr, glue, httr2, dplyr, magrittr
Suggests testthat (>= 3.0.0), knitr, rmarkdown, devtools, pacman
VignetteBuilder knitr
RoxygenNote 7.3.2
URL https://github.com/jamgreen/lehdr/
BugReports https://github.com/jamgreen/lehdr/issues/
Config/testthat/edition 3
NeedsCompilation no
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Repository CRAN
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## Description

Helper function for lehdr which aggregates block geographies based on the block id.

## Usage

```
aggregate_lodes_df(lehdr_df, geoid_to, aggname)
```

## Arguments

lehdr_df	Data frame (tibble) to be aggregated
geoid_to	The number of characters to do the aggregation on from the geoid
aggname	What the level is called, like "tract" etc

## **Description**

Download LODES geographic crosswalk

## Usage

```
grab_crosswalk(
   state,
   download_dir = normalizePath(file.path(tools::R_user_dir("lehdr", which = "cache")),
      mustWork = FALSE)
)
```

## Arguments

state US state abbreviation in lower case, can be a vector of states. download\_dir Directory where lodes table will be downloaded.

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#### Value

a dataframe (tibble) geographic crosswalk at the block level

#### **Examples**

```
# Download and load current geographic crosswalk for Alaska
alaska_xwalk <- grab_crosswalk("VT")

# Download and load current geographic crosswalk for small states
small_states_xwalk <- grab_crosswalk(c("wy", 'ND', 'SD'))</pre>
```

grab\_lodes

Download and load LODES data into a data frame (tibble)

## **Description**

Download LODES OD, RAC, and WAC tables

### Usage

#### **Arguments**

state US state abbreviation in lower case, as character. Can be a vector of states, like

c("or", "md", "tx") for Oregon, Maryland, and Texas.

year Year of the lodes data, as numerical. Can be a vector of years, like c(2014, 2020)

for 2014 and 2020.

version The LODES version to use. Version 8 (the default, use "LODES8") is enumer-

ated at 2020 Census blocks. "LODES7" is enumerated at 2010 Census blocks, but ends in 2019; LODES5" is enumerated at 2000 Census blocks, but ends in

2009.

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lodes\_type The LODES table type. Values can be the default origin-destination ("od"), residential association ("rac"), or workplace association ("wac"). od files give a home and destination census block for workers. Residential files give job totals of worker home census blocks and workplace files give job totals of worker job census blocks job\_type Jobtype: "JT00" for all jobs, "JT01" for Primary Jobs, "JT02" for All Private Jobs, "JT03" for Private Primary jobs, "JT04" for All Federal jobs, "JT05" for Federal Primary jobs Segment of the workforce. "S000" total number of jobs for workers, "SA01" segment number of jobs for workers aged 29 or younger, "SA02" number of jobs for workers aged 30-54,"SA03" number of jobs for workers 55 and older, "SE01" number of jobs with earnings \$1,250/month or less, "SE02" number of jobs with earnings \$1,251 to \$3,333/month, "SE03" number of jobs with earnings greater than \$3,333/month, "SI01" number of jobs in Goods Producing industry sectors, "SI02" number of jobs in Trade, Transportation, & Utilities industry sectors, "SI03" number of jobs in All Other Services industry sectors. Aggregate to a geography other than Census Block (default). Values can be "bg" agg\_geo for block group, "tract", "county", or "state". Part of the state file, required for "od" lodes type. Can have values of "main" state\_part or "aux" in OD files. Using "main" includes workers with their workplace and residence in the state. Using "aux" includes workers with residences out of state and workplace in the state of interest download\_dir Directory where lodes table will be downloaded. use\_cache Boolean indicating whether or not to check whether or not the file had already been downloaded. Defaults to FALSE. Setting to TRUE will allow lehdr to reuse existing files that were already downloaded.

#### Value

a dataframe (tibble) of block or tract level LODES files

## Examples

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