# Package: lehdr (via r-universe)

November 25, 2024		
Type Package		
Title Grab Longitudinal Employer-Household Dynamics (LEHD) Flat Files		
Version 1.1.4		
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<b>Description</b> 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://lehd.ces.census.gov/data/lodes/LODES8/">https://lehd.ces.census.gov/data/lodes/LODES8/</a> .		
<b>Depends</b> R (>= $4.0.0$ )		
License MIT + file LICENSE		
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Imports readr, rlang, stringr, glue, httr2, dplyr, magrittr		
<b>Suggests</b> testthat (>= 3.0.0), knitr, rmarkdown, devtools, pacman		
VignetteBuilder knitr		
RoxygenNote 7.3.2		
<pre>URL https://github.com/jamgreen/lehdr/</pre>		
<pre>BugReports https://github.com/jamgreen/lehdr/issues/</pre>		
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aggregate\_lodes\_df

Aggregate data to a certain level dictated by inputs. Internal function.

# **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

grab\_crosswalk

Download and load LODES geographic crosswalk into a data frame

(tibble)

# **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.

#### Value

a dataframe (tibble) geographic crosswalk at the block level

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#### **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.

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

grab\_lodes

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	Segment of the workforce. "S000" total number of jobs for workers, "SA01" 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.
agg_geo	Aggregate to a geography other than Census Block (default). Values can be "bg" for block group, "tract", "county", or "state".
state_part	Part of the state file, required for "od" lodes_type. Can have values of "main" 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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