

# censable

`censable` wraps `censusapi` for common requests, with memoized (<https://github.com/r-lib/memoise>) data functions. With a growing redistricting universe in R, it seems right to partition out some use cases, to allow imports to be more targeted and to stop packages from repeating each other.



## Installation

You can install the released version of `censable` from CRAN (<https://CRAN.R-project.org>) with:

```
install.packages("censable")
```

You can download the development version from GitHub (<https://github.com/>) with:

```
# install.packages("devtools")
devtools::install_github("christopherkenny/censable")
```

## Example

```
library(censable)
```

The primary data functions are `build_dec` and `build_acs`

```
de <- build_dec(geography = 'county', state = 'DE')
```

The `build_*` functions take arguments on geography and state, at a minimum. If you're looking at a smaller piece of a state, you can use `county` to subset it. Year defaults to 2010, but will be updated to 2020 around October 2021, following the API release of the 2020 Census data.

The `build_*` functions are a convenient wrapper around `censusapi`, with an eye towards collecting data on total population and voting age population by race. Total population variables begin with the prefix `pop`, while voting age population variables begin with the prefix `vap`.

Additionally, there are memoised versions of the `build_*` functions:

```
de <- mem_build_dec(geography = 'county', state = 'DE')
```

These speed up repeated calls, allowing you to have code that is self contained and reproducible, without taking the time hit of having to re-download the data each time.

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