

Census - Population - Download

Datasets

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Preamble

```
rm(list = ls())
pklist <- c("curl", "tidyverse", "rvest")
source("https://fgeerolf.github.io/datasets/load-packages.R")
options(tibble.print_max = 100)
```

SEER Data: https://www.nber.org/data/seer_pop.html

Description: <https://www.nber.org/seer-pop/desc/uswbo19agesadj/desc.txt>

Census Pop

```
curl_download("https://www.nber.org/seer-pop/uswbo19agesadj.csv.zip",
              destfile = "uswbo19agesadj.csv.zip",
              quiet = FALSE)

unzip("uswbo19agesadj.csv.zip")
unlink("uswbo19agesadj.csv.zip")
```

We aggregate up all age groups, gender, as well as race, and Hispanic / non.

Of course, this data contains much more. Just adapt the below code.

```
census.pop.county <- read.csv("uswbo19agesadj.csv") %>%
  group_by(county, year) %>%
  summarise(value = pop %>% sum) %>%
  ungroup %>%
  #str_pad adds leading 0s to concord with Census definitions of FIPS
  mutate(variable = "POP",
         variable.desc1 = "County Population (SEER - Survey of Epidemiology and End Results)") %>%
  select(variable, variable.desc1, fips = county, date = year, value)

unlink("uswbo19agesadj.csv")
```

Saving

```
save(census.pop.county, file = "census.pop.county.RData")
```

Computing Environment

```
Sys.time()
```

```
## [1] "2018-09-27 16:29:06 PDT"
```

```
sessionInfo()
```

```
## R version 3.5.1 (2018-07-02)
## Platform: x86_64-apple-darwin15.6.0 (64-bit)
## Running under: macOS High Sierra 10.13.6
##
## Matrix products: default
## BLAS: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] bindrcpp_0.2.2  rvest_0.3.2    xml2_1.2.0     forcats_0.3.0
## [5] stringr_1.3.1  dplyr_0.7.6    purrr_0.2.5    readr_1.1.1
## [9] tidyr_0.8.1     tibble_1.4.2   ggplot2_3.0.0  tidyverse_1.2.1
## [13] curl_3.2
##
## loaded via a namespace (and not attached):
## [1] Rcpp_0.12.18    cellranger_1.1.0 pillar_1.3.0    compiler_3.5.1
## [5] plyr_1.8.4      bindr_0.1.1     tools_3.5.1     digest_0.6.15
## [9] lubridate_1.7.4 jsonlite_1.5     evaluate_0.11   nlme_3.1-137
## [13] gtable_0.2.0    lattice_0.20-35 pkgconfig_2.0.2 rlang_0.2.2
## [17] cli_1.0.0       rstudioapi_0.7  yaml_2.2.0      haven_1.1.2
## [21] withr_2.1.2     httr_1.3.1      knitr_1.20      hms_0.4.2
## [25] rprojroot_1.3-2 grid_3.5.1       tidyselect_0.2.4 glue_1.3.0
## [29] R6_2.2.2         readxl_1.1.0    rmarkdown_1.10  modelr_0.1.2
## [33] magrittr_1.5     backports_1.1.2 scales_1.0.0    htmltools_0.3.6
## [37] assertthat_0.2.0 colorspace_1.3-2 stringi_1.2.4    lazyeval_0.2.1
## [41] munsell_0.5.0    broom_0.5.0     crayon_1.3.4
```