

CBP - 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)
```

An updated version of this note is available here: <https://fgeerolf.github.io/datasets/cbp-download.pdf>
The flat data files of the CBP are: <https://www2.census.gov/programs-surveys/cbp/datasets/>

Downloading Datasets

Downloading datasets from 1986 to 2016 from: <https://www2.census.gov/programs-surveys/cbp/datasets/>

```
for (year in 1986:2016){
  yearD <- year %>% paste %>% substr(3, 4)

  cat("\nCBP", year, ": Currently downloading...")
  curl_download(paste0("https://www2.census.gov/programs-surveys/cbp/datasets/",
    year, "/cbp", yearD, "co.zip"),
    destfile = paste0("cbp", yearD, "co.zip"),
    quiet = FALSE,
    mode = "wb")
  unzip(paste0("cbp", yearD, "co.zip"))
  unlink(paste0("cbp", yearD, "co.zip"))

  cat(" Reading...")
  assign(paste0("cbp.", year), read.delim(paste0("cbp", yearD, "co.txt"),
    header = TRUE, sep = ","))
  unlink(paste0("cbp", yearD, "co.txt"))

  cat(" Saving...")
  save(list = paste0("cbp.", year), file = paste0("cbp.", year, ".RData"))
  rm(list = paste0("cbp.", year))
}
```

```
##
## CBP 1986 : Currently downloading... Reading... Saving...
## CBP 1987 : Currently downloading... Reading... Saving...
## CBP 1988 : Currently downloading... Reading... Saving...
## CBP 1989 : Currently downloading... Reading... Saving...
## CBP 1990 : Currently downloading... Reading... Saving...
## CBP 1991 : Currently downloading... Reading... Saving...
## CBP 1992 : Currently downloading... Reading... Saving...
## CBP 1993 : Currently downloading... Reading... Saving...
## CBP 1994 : Currently downloading... Reading... Saving...
## CBP 1995 : Currently downloading... Reading... Saving...
## CBP 1996 : Currently downloading... Reading... Saving...
## CBP 1997 : Currently downloading... Reading... Saving...
## CBP 1998 : Currently downloading... Reading... Saving...
## CBP 1999 : Currently downloading... Reading... Saving...
## CBP 2000 : Currently downloading... Reading... Saving...
## CBP 2001 : Currently downloading... Reading... Saving...
## CBP 2002 : Currently downloading... Reading... Saving...
## CBP 2003 : Currently downloading... Reading... Saving...
## CBP 2004 : Currently downloading... Reading... Saving...
## CBP 2005 : Currently downloading... Reading... Saving...
## CBP 2006 : Currently downloading... Reading... Saving...
## CBP 2007 : Currently downloading... Reading... Saving...
## CBP 2008 : Currently downloading... Reading... Saving...
## CBP 2009 : Currently downloading... Reading... Saving...
## CBP 2010 : Currently downloading... Reading... Saving...
## CBP 2011 : Currently downloading... Reading... Saving...
## CBP 2012 : Currently downloading... Reading... Saving...
## CBP 2013 : Currently downloading... Reading... Saving...
## CBP 2014 : Currently downloading... Reading... Saving...
## CBP 2015 : Currently downloading... Reading... Saving...
## CBP 2016 : Currently downloading... Reading... Saving...
```

Computing Environment

```
Sys.time()
```

```
## [1] "2018-09-25 12:42:54 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] rvest_0.3.2      xml2_1.2.0      forcats_0.3.0   stringr_1.3.1
## [5] dplyr_0.7.6      purrr_0.2.5     readr_1.1.1     tidyr_0.8.1
## [9] tibble_1.4.2     ggplot2_3.0.0   tidyverse_1.2.1 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] bindrcpp_0.2.2    withr_2.1.2      httr_1.3.1       knitr_1.20
## [25] hms_0.4.2         rprojroot_1.3-2  grid_3.5.1       tidyselect_0.2.4
## [29] glue_1.3.0        R6_2.2.2         readxl_1.1.0     rmarkdown_1.10
## [33] modelr_0.1.2      magrittr_1.5     backports_1.1.2  scales_1.0.0
## [37] htmltools_0.3.6   assertthat_0.2.0 colorspace_1.3-2 stringi_1.2.4
## [41] lazyeval_0.2.1    munsell_0.5.0    broom_0.5.0      crayon_1.3.4
```