

SEDS - Download

Datasets

François Geerolf

Contents

Introduction	1
Downloading SEDS	1
Computing Environment	2

Introduction

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

SEDS is available here: <https://www.eia.gov/state/seds/seds-data-complete.php>

EIA: Energy Information Administration

Downloading SEDS

```
load("/Users/geerolf/Drive/work/datasets/crosswalks/crosswalk.RData")

seds.complete <- "https://www.eia.gov/state/seds/CDF/Complete_SEDS.csv" %>%
  read.csv %>%
  select(-Data_Status) %>%
  rename(value = Data, date = Year, state.code = StateCode) %>%
  left_join("Codes_and_Descriptions.csv" %>%
    read.csv(skip = 9) %>%
    select(-contains("X")) %>%
    mutate_all(paste) %>%
    rename(variable.desc1 = Description, variable.desc2 = Unit),
    by = "MSN") %>%
  select(variable = MSN, variable.desc1, variable.desc2, state.code, date, value) %>%
  # Remove Total US, X3, X5
  filter(!state.code %in% c("US", "X3", "X5")) %>%
  left_join(crosswalk %>%
    select(state.name, state.code),
    by = "state.code") %>%
  select(variable, variable.desc1, variable.desc2, state.code, state.name, date, value) %>%
  mutate(state.code = state.code %>% as.factor,
    state.name = state.name %>% as.factor) %>%
  # THOUSANDS OF BARRELS to BARRELS
```

```
mutate(variable.desc2 = ifelse(variable.desc2 == "Thousand barrels", "Barrels", variable.desc2),
       value = value * 1000) %>%
arrange(variable, state.code, date)

## Warning: Column `MSN` joining factor and character vector, coercing into
## character vector

## Warning: Column `state.code` joining factor and character vector, coercing
## into character vector

seds.series <- "Codes_and_Descriptions.csv" %>%
  read.csv(skip = 9) %>%
  select(-contains("X")) %>%
  mutate_all(paste) %>%
  rename(variable = MSN, variable.desc1 = Description, variable.desc2 = Unit) %>%
  mutate(variable.desc2 = ifelse(variable.desc2 == "Thousand barrels", "Barrels", variable.desc2))

save(seds.complete, file = "seds.complete.RData")
save(seds.series, file = "seds.series.RData")
```

Computing Environment

```
Sys.time()
```

```
## [1] "2018-09-27 16:43:35 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  forcats_0.3.0  stringr_1.3.1  dplyr_0.7.6
## [5] purrr_0.2.5     readr_1.1.1    tidyr_0.8.1    tibble_1.4.2
## [9] ggplot2_3.0.0   tidyverse_1.2.1
##
## 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    xml2_1.2.0      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 rvest_0.3.2     assertthat_0.2.0 colorspace_1.3-2
## [41] stringi_1.2.4  lazyeval_0.2.1  munsell_0.5.0   broom_0.5.0
## [45] crayon_1.3.4
```