Penn World Tables - Download

Datasets

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Contents

Introduction

```r
rm(list = ls())
pklist <- c("tidyverse", "curl", "readstata13")
source("https://fgeerolf.github.io/datasets/load-packages.R")
options(tibble.print_max = 100)
```

Download the PWT 9.0

Information on the Penn World Tables 9.0: https://www.rug.nl/ggdc/productivity/pwt/

```r
curl_download("http://www.rug.nl/ggdc/docs/pwt90.dta",
              "pwt90.dta",
              quiet = FALSE)
pwt.9.0 <- read.dta13("pwt90.dta")
unlink("pwt90.dta")

pwt.9.0.long <- pwt.9.0 %>%
  gather(variable, value, -countrycode, -country, -currency_unit, -year) %>%
  left_join(matrix(c(names(pwt.9.0)[c(-1,-2,-3,-4)],
                     attr(pwt.9.0, "var.labels")[c(-1,-2,-3,-4)]), ncol = 2) %>%
              as.data.frame %>%
              rename(variable = V1, variable.desc1 = V2) %>%
              mutate(variable = variable %>% as.character),
            by = "variable") %>%
  filter(!is.na(value)) %>%
  mutate_at(vars(-value), funs(as.factor)) %>%
  mutate(value = value %>% as.numeric) %>%
  select(countrycode, country, currency_unit, year, variable, variable.desc1, value) %>%
  as.tibble
```

```
## Warning: attributes are not identical across measure variables;
## they will be dropped

## Warning in function_list[[k]](value): NAs introduced by coercion
```

Saving

```
save(pwt.9.0.long, file = "pwt.9.0.long.RData")
```

Computing Environment

```
Sys.time()
```

```
## [1] "2018-10-12 07:02:37 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    readstata13_0.9.2 curl_3.2
##  [4] forcats_0.3.0     stringr_1.3.1     dplyr_0.7.6
##  [7] purrr_0.2.5       readr_1.1.1       tidyr_0.8.1
## [10] tibble_1.4.2      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
```