

# IRS - Example

Datasets

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## Preamble

```
rm(list = ls())
pklist <- c("tidyverse", "choroplethr", "choroplethrMaps")
source("https://fgeerolf.github.io/datasets/load-packages.R")
```

## Load Datasets

```
load("irs.2015.RData")

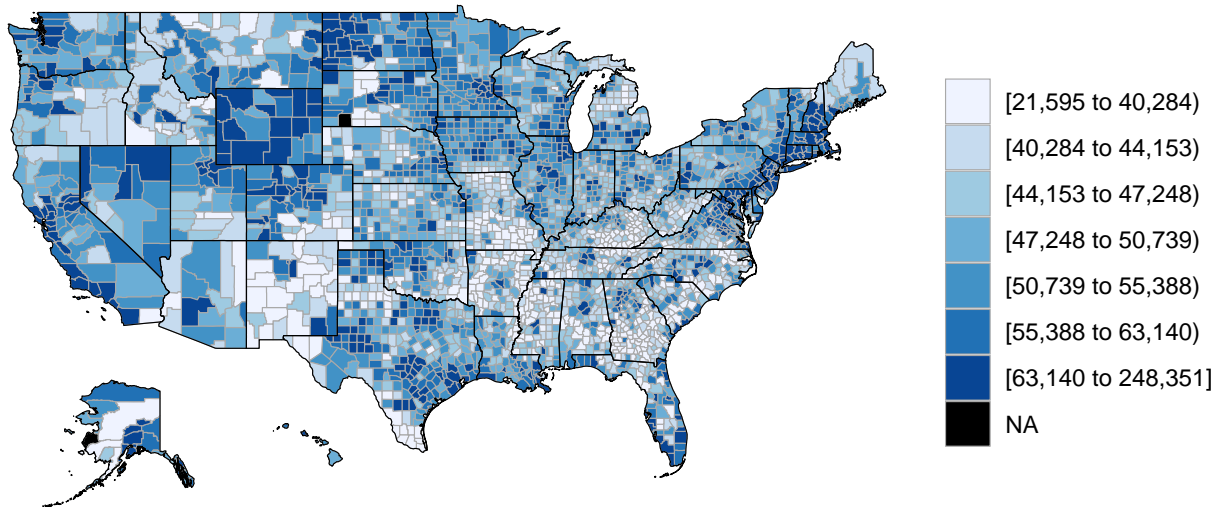
irs.county <- irs.2015 %>%
  select(STATEFIPS, COUNTYFIPS, COUNTYNAME, agi_stub, N1, A00100) %>%
  mutate(fips = 1000*STATEFIPS + COUNTYFIPS,
         COUNTYNAME = paste(COUNTYNAME)) %>%
  filter(COUNTYFIPS != 0) %>%
  group_by(fips) %>%
  summarise_at(vars(N1, A00100), funs(sum(.))) %>%
  mutate(income.per.capita = 1000 * A00100 / N1) %>%
  select(fips, income.per.capita)
```

## Map

```
irs.county %>%
  rename(region = fips, value = income.per.capita) %>%
  county_choropleth
```

```
## Warning in super$initialize(map.df, user.df): Your data.frame contains the
## following regions which are not mappable: 2158, 46102

## Warning in self$bind(): The following regions were missing and are being
## set to NA: 46113, 15005, 51515, 2270
```



## Computing Environment

```
Sys.time()
```

```
## [1] "2018-09-24 22:32:51 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      choroplethrMaps_1.0.1 choroplethr_3.6.3
## [4] acs_2.1.3           XML_3.98-1.16        forcats_0.3.0
## [7] stringr_1.3.1       dplyr_0.7.6          purrr_0.2.5
## [10] readr_1.1.1         tidyr_0.8.1          tibble_1.4.2
## [13] ggplot2_3.0.0       tidyverse_1.2.1
##
## loaded via a namespace (and not attached):
## [1] nlme_3.1-137        sf_0.6-3             lubridate_1.7.4
## [4] RColorBrewer_1.1-2 httr_1.3.1           rprojroot_1.3-2
## [7] tools_3.5.1         backports_1.1.2      rgdal_1.3-4
## [10] R6_2.2.2            rpart_4.1-13         spData_0.2.9.3
## [13] Hmisc_4.1-1         DBI_1.0.0            lazyeval_0.2.1
## [16] colorspace_1.3-2    nnet_7.3-12          withr_2.1.2
```

## [19] sp_1.3-1	tidyselect_0.2.4	gridExtra_2.3
## [22] compiler_3.5.1	cli_1.0.0	rvest_0.3.2
## [25] htmlTable_1.12	xml2_1.2.0	labeling_0.3
## [28] scales_1.0.0	checkmate_1.8.5	classInt_0.2-3
## [31] rappdirs_0.3.1	digest_0.6.15	foreign_0.8-70
## [34] rmarkdown_1.10	base64enc_0.1-3	jpeg_0.1-8
## [37] pkgconfig_2.0.2	htmltools_0.3.6	maps_3.3.0
## [40] htmlwidgets_1.2	rlang_0.2.2	readxl_1.1.0
## [43] rstudioapi_0.7	bindr_0.1.1	jsonlite_1.5
## [46] acepack_1.4.1	magrittr_1.5	Formula_1.2-3
## [49] geosphere_1.5-7	Matrix_1.2-14	Rcpp_0.12.18
## [52] munsell_0.5.0	proto_1.0.0	stringi_1.2.4
## [55] yaml_2.2.0	RJSONIO_1.3-0	plyr_1.8.4
## [58] grid_3.5.1	maptools_0.9-3	WDI_2.5
## [61] crayon_1.3.4	lattice_0.20-35	haven_1.1.2
## [64] splines_3.5.1	mapproj_1.2.6	hms_0.4.2
## [67] knitr_1.20	pillar_1.3.0	uuid_0.1-2
## [70] rjson_0.2.20	reshape2_1.4.3	glue_1.3.0
## [73] evaluate_0.11	latticeExtra_0.6-28	data.table_1.11.4
## [76] modelr_0.1.2	png_0.1-7	RgoogleMaps_1.4.2
## [79] cellranger_1.1.0	gtable_0.2.0	assertthat_0.2.0
## [82] broom_0.5.0	e1071_1.7-0	class_7.3-14
## [85] survival_2.42-3	tigris_0.7	units_0.6-0
## [88] cluster_2.0.7-1	ggmap_2.6.1	