example.R

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# R scrip to illustrate CA1

# load packages
library(tidyverse)

## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──
## ✔ dplyr 1.1.4 ✔ readr 2.1.5
## ✔ forcats 1.0.0 ✔ stringr 1.5.1
## ✔ ggplot2 3.5.2 ✔ tibble 3.3.0
## ✔ lubridate 1.9.4 ✔ tidyr 1.3.1
## ✔ purrr 1.1.0
## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──
## ✖ dplyr::filter() masks stats::filter()
## ✖ dplyr::lag() masks stats::lag()
## ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

# load data
df <- read\_rds("data/parties.rds")

# quick look
glimpse(df)

## Rows: 555
## Columns: 10
## $ country <chr> "Albania", "Albania", "Albania", "Argentina", "Ar…
## $ year <dbl> 1992, 1996, 1997, 1946, 1951, 1954, 1958, 1960, 1…
## $ average\_magnitude <dbl> 1.00, 1.00, 1.00, 10.53, 10.53, 4.56, 8.13, 4.17,…
## $ eneg <dbl> 1.106929, 1.106929, 1.106929, 1.342102, 1.342102,…
## $ enep <dbl> 2.190, 2.785, 2.870, 5.750, 1.970, 1.930, 2.885, …
## $ upper\_tier <dbl> 28.57, 17.86, 25.80, 0.00, 0.00, 0.00, 0.00, 0.00…
## $ en\_pres <dbl> 0.00, 0.00, 0.00, 2.09, 1.96, 1.96, 2.65, 2.65, 3…
## $ proximity <dbl> 0.00, 0.00, 0.00, 1.00, 1.00, 0.20, 1.00, 0.20, 1…
## $ social\_heterogeneity <fct> Bottom 3rd of ENEG, Bottom 3rd of ENEG, Bottom 3r…
## $ electoral\_system <fct> Single-Member District, Single-Member District, S…

# plot
ggplot(df, aes(x = electoral\_system, y = enep)) +
 geom\_violin()



# observation 1: Just write your observations at the bottom of the script like
# this. If you want to "reflow" a script so that each line is the proper length
# without having to many enter the line breaks, just highlight the comment, and
# click \*Code > Reflow Comment\*. You'll get nice, equally-size lines, like
# these.

# observation 2: ...

# observation 3: ...