

example.R

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```
# R scrip to illustrate CA1
```

```
# load packages
library(tidyverse)
```

```
## -- Attaching packages -----
```

```
## v ggplot2 3.0.0      v purrr  0.2.5
## v tibble  1.4.2      v dplyr  0.7.6
## v tidyr   0.8.1      v stringr 1.3.1
## v readr   1.1.1      v forcats 0.3.0
```

```
## -- Conflicts ----- tidyverse
```

```
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

```
# load data
```

```
df <- read_rds("parties.rds")
```

```
# quick look
```

```
glimpse(df)
```

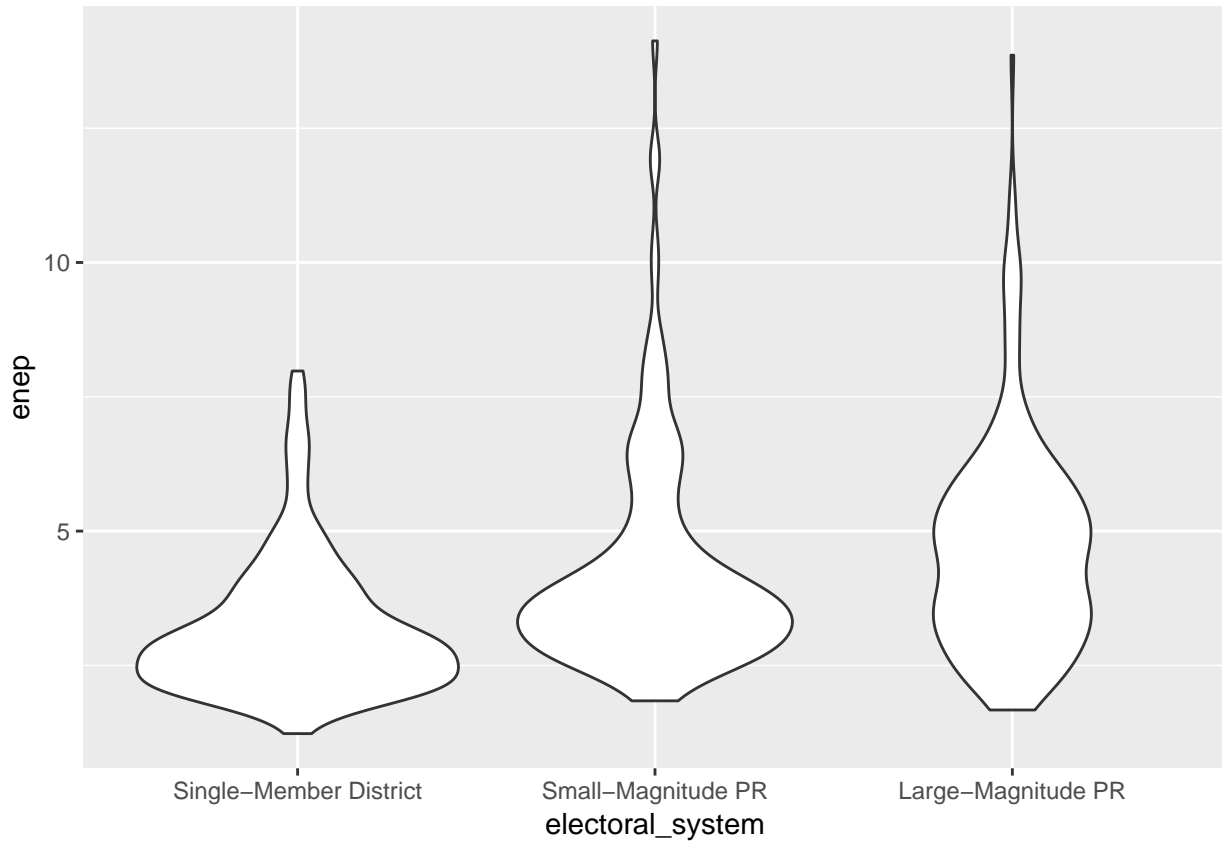
```
## Observations: 555
```

```
## Variables: 10
```

```
## $ country      <chr> "Albania", "Albania", "Albania", "Argenti...
## $ year         <dbl> 1992, 1996, 1997, 1946, 1951, 1954, 1958,...
## $ average_magnitude <dbl> 1.00, 1.00, 1.00, 10.53, 10.53, 4.56, 8.1...
## $ eneg         <dbl> 1.106929, 1.106929, 1.106929, 1.342102, 1...
## $ enep         <dbl> 2.190, 2.785, 2.870, 5.750, 1.970, 1.930,...
## $ upper_tier   <dbl> 28.57, 17.86, 25.80, 0.00, 0.00, 0.00, 0...
## $ en_pres     <dbl> 0.00, 0.00, 0.00, 2.09, 1.96, 1.96, 2.65,...
## $ proximity    <dbl> 0.00, 0.00, 0.00, 1.00, 1.00, 0.20, 1.00,...
## $ social_heterogeneity <fct> Bottom 3rd of ENEG, Bottom 3rd of ENEG, B...
## $ electoral_system <fct> Single-Member District, Single-Member Dis...
```

```
# 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: ...
```