

FirstViz

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```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.3      v readr      2.1.4
## v forcats    1.0.0      v stringr   1.5.0
## v ggplot2    3.4.3      v tibble    3.2.1
## v lubridate  1.9.2      v tidyr     1.3.0
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(ggplot2)
```

```
library(dplyr)
```

```
library(readxl)
```

```
data <- read_excel("~/Desktop/judicial_review_of_congress_database_1789-2022 (2) (1).xlsx")
```

```
## Warning: Expecting numeric in Q1308 / R1308C17: got 'N/A'
```

```
## Warning: Expecting numeric in R1308 / R1308C18: got 'N/A'
```

```
## Warning: Expecting numeric in Q1313 / R1313C17: got 'N/A'
```

```
## Warning: Expecting numeric in R1313 / R1313C18: got 'N/A'
```

```
## Warning: Expecting numeric in V1319 / R1319C22: got 'N/A'
```

```
## Warning: Expecting numeric in V1320 / R1320C22: got 'N/A'
```

```
## Warning: Expecting numeric in V1321 / R1321C22: got 'N/A'
```

```
## Warning: Expecting numeric in V1322 / R1322C22: got 'N/A'
```

```
## Warning: Expecting numeric in V1323 / R1323C22: got 'N/A'
```

```
## Warning: Expecting numeric in V1324 / R1324C22: got 'N/A'
```

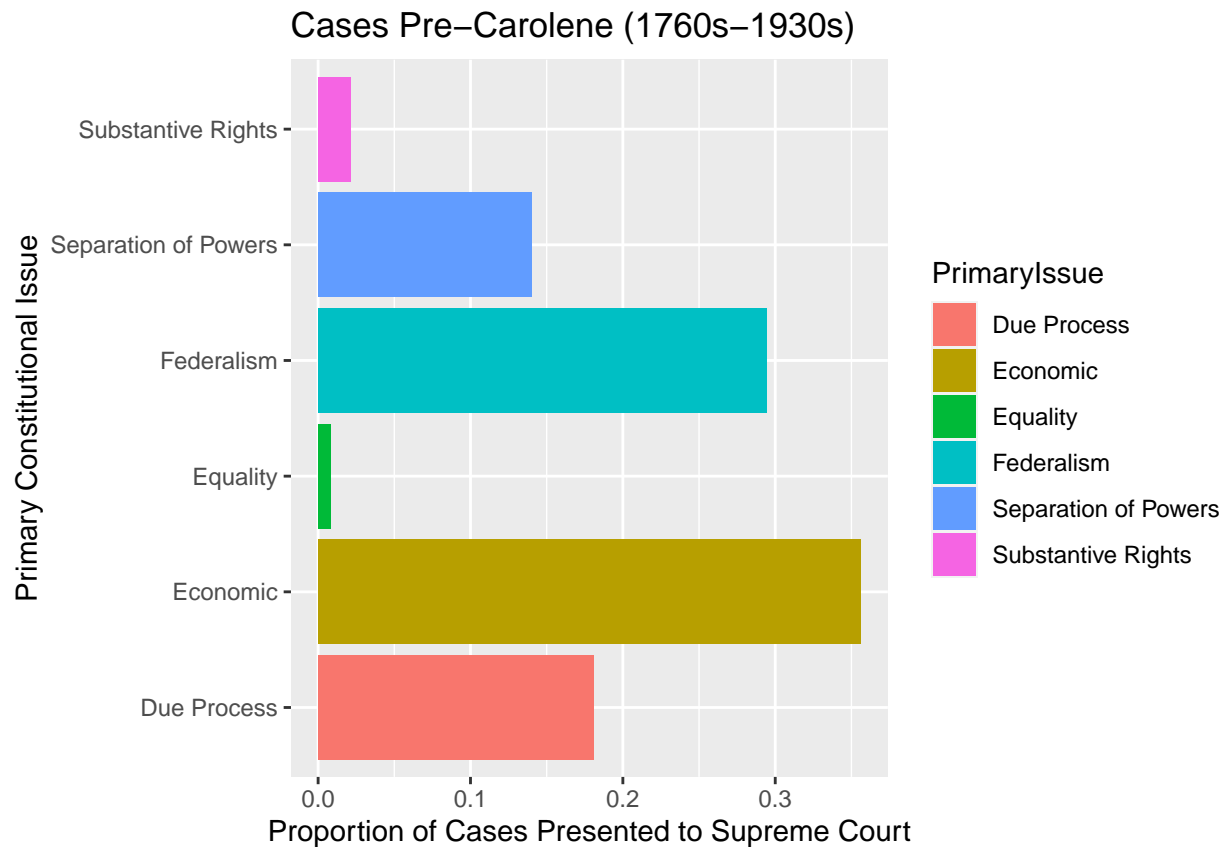
```
data
```

```
## # A tibble: 1,323 x 27
##   CASE          CITATION DATE   YEAR DECADE DECISION DECISION2 EFFECT 'STAT NAME'
##   <chr>         <chr>   <chr> <dbl> <dbl>   <dbl>   <dbl> <chr>   <chr>
## 1 United Sta~ *54 U.S~ 2/17~ 1794 1790     2       1 struc~ Invalid Pe~
## 2 Penhallow ~ 003 U.S~ 2/24~ 1795 1790     0       0 upheld Court of A~
## 3 Hylton v. ~ 003 U.S~ 3/8/~ 1796 1790     0       0 upheld Carriage T~
## 4 United Sta~ 003 U.S~ 8/11~ 1796 1790     0       0 upheld Arms Expor~
## 5 Mossman v.~ 004 U.S~ 8/11~ 1800 1800     1       1 struc~ Judiciary ~
## 6 Marbury v.~ 005 U.S~ 2/24~ 1803 1800     2       1 struc~ Judiciary ~
## 7 Stuart v. ~ 005 U.S~ 3/2/~ 1803 1800     0       0 upheld Repeal Act~
## 8 United Sta~ 006 U.S~ 2/21~ 1805 1800     0       0 upheld Effectual ~
## 9 Ex Parte B~ 008 U.S~ 2/20~ 1807 1800     0       0 upheld Judiciary ~
## 10 United Sta~ 008 U.S~ 2/28~ 1807 1800     2       1 struc~ Bank Fraud~
## # i 1,313 more rows
## # i 18 more variables: 'STAT CITE' <chr>, 'PL #' <chr>, 'S-DATE' <chr>,
## #   'TIME TO DECISION' <dbl>, CONGRESS <dbl>, AREA1 <chr>, AREA2 <dbl>,
## #   LNDMRK <dbl>, LNDDTL <dbl>, 'ATT GEN' <dbl>, CERT <dbl>, REVERSD <dbl>,
## #   CRS <dbl>, 'GVT PRTY' <dbl>, DISSENT <dbl>, 'H-CT' <dbl>,
## #   caseId.SCDB <chr>, 'JRC caseID' <chr>
```

```
preCaro <- data |>
  filter(DECADE <= 1930) |>
  group_by(AREA1) |>
  summarize(n = n()) |>
  mutate(prop = (n/sum(n)))

preViz <- preCaro |>
  mutate(
    PrimaryIssue = case_when(
      AREA1 == 1 ~ "Due Process",
      AREA1 == 2 ~ "Substantive Rights",
      AREA1 == 3 ~ "Equality",
      AREA1 == 4 ~ "Economic",
      AREA1 == 5 ~ "Federalism",
      AREA1 == 6 ~ "Separation of Powers")) |>
  ggplot(mapping = aes(x=PrimaryIssue, y=prop, fill = PrimaryIssue)) +
  geom_col() +
  coord_flip() +
  labs(
    x = "Primary Constitutional Issue",
    y = "Proportion of Cases Presented to Supreme Court",
    title = "Cases Pre-Carolene (1760s-1930s)")
```

```
preViz
```



```
postCaro <- data |>
  filter(DECADE >= 1940) |>
  group_by(AREA1) |>
  summarize(n = n()) |>
  mutate(prop = (n/sum(n)))
```

```
Issues <- c("Due Process", "Substantive Rights", "Equality", "Economic", "Federalism", "Separation of Powers")
```

```
postViz <- postCaro |>
  mutate(
    PrimaryIssue = case_when(
      AREA1 == 1 ~ "Due Process",
      AREA1 == 2 ~ "Substantive Rights",
      AREA1 == 3 ~ "Equality",
      AREA1 == 4 ~ "Economic",
      AREA1 == 5 ~ "Federalism",
      AREA1 == 6 ~ "Separation of Powers")) |>
  ggplot(mapping = aes(x=PrimaryIssue, y=prop, fill = PrimaryIssue)) +
  geom_col() +
  coord_flip() +
  labs(
    x = "Primary Constitutional Issue",
    y = "Proportion of Cases Presented to Supreme Court",
    title = "Cases Post-Carolene (1940s–2010s)")
```

