

APIs

27 February, 2023

Write the R code to answer the following questions. You have until the beginning of next class to answer all of the questions below and commit to GitHub, both the .Rmd file and the .pdf.

Overview

This FAQ discusses how the data they have depends on state and local governments publishing their data with Voting Information Project. They go on to say “data is generally only available relatively close to the election day (ideally 4-6 weeks before, but depending on the state that is publishing the data it can be closer).”

1a

Use this API endpoint to get a list of all elections they are covering right now. There should be 3. Note that election with ID=2000 is for testing purposes only.

Answer:

Note, the first election is just for testing purposes.

```
library(googlecivic)

elec_info <- get_electionid(key = Sys.getenv("google_civic_api"))
elec_info$elections

##      id                               name electionDay
## 1 2000                               VIP Test Election 2025-06-06
## 2 8011      Illinois Consolidated Primary Election 2023-02-28
## 3 8014 City of Inglewood Council District 1 Runoff 2023-03-07
## 4 8016                Oklahoma Special Election 2023-03-07
##                               ocdDivisionId
## 1                ocd-division/country:us
## 2 ocd-division/country:us/state:il
## 3 ocd-division/country:us/state:ca
## 4 ocd-division/country:us/state:ok
```

1b

One election they have info for is the Illinois Consolidated Primary Election. Use this endpoint to tell the voter that lives in the Hancock Building in Chicago (875 North Michigan Avenue 60611) what their polling place is.

Answer:

```
voter_info <- get_voterinfo(address = "875 North Michigan Avenue Chicago, IL 60611",
                             electionid = 8011,
                             key = Sys.getenv("google_civic_api"))
voter_info$pollingLocations
```

| | address.locationName | address.line1 | address.city | address.state |
|------|-----------------------|-------------------|-----------------------------|---------------|
| ## 1 | 175 DELAWARE PL CONDO | 175 E DELAWARE PL | CHICAGO | IL |
| | address.zip | notes | pollingHours | sources |
| ## 1 | 60611 | | Voting Information Project, | TRUE |