INFO 201: A5 reference

Troubleshooting

Error	Solution
`Error in View : 'names' attribute [1] must be the same length as the vector [0]`	Sometimes, the JSON results you get in R have weird structures. To make the data easier to work with, try `as.data.frame()` and `flatten()`

`Error: lexical error: invalid char in json text.`
`            <!DOCTYPE html> <html lang="en"`
`    (right here) ------^`
	If you get an error like this, it means the response you got doesn't look like JSON. This may mean you have the wrong endpoint, or forgot to include your authentication token. Double-check your endpoint has no typos, and that you provided an authentication token.

API Cheat Sheets

```
# For any API:
library(httr)     # make the GET() requests
library(jsonlite) # parse with toJSON() and flatten()

# General approach to retrieving data:
response <- GET(paste0(base_uri, endpoint))# retrieve data
content <- content(response, 'text')       # get content as string
data <- fromJSON(content)                  # string into R object

# Propublica authenticates through headers:
GET(uri, add_headers('X-API-Key' = propublica_api_key))

# Civic Info authenticates through parameters:
params <- list(key = civic_info_api_key)
GET(uri, query = params)
```

FAQ's

- *Where do I store my API keys?*
  In a separate file that you `source()` into your analysis files.

- *How do I find the endpoint I need?*
  Check out [Propublica's API reference](#) and [Google's Civic Info API reference](#).

- *How do I create links? Or images?*
  Remember [Markdown](#) syntax!

- *How do I make tables in RMarkdown?*
  Use the `kable()` function from the `knitr` library! You can also [prettify your tables](#).

- *Should all the code I write be functions?*
  Not necessarily, use your discretion. But it would help make your code flexible if you want to change your reps or bills!