

Doan\_HW11b

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## Code

### analysis.R

```
movie_info <- function(query = '', start_date = '', end_date = '', key) {
  url <- paste(
    'https://api.nytimes.com/svc/movies/v2/reviews/search.json?query=', query,
    '&opening-date=', start_date,
    ';', end_date,
    '&api-key=', key,
    '&order=by-opening-date',
    '&offset=', sep = ''
  )

  i = 0
  out <- data.table(matrix(ncol = 4, nrow = 0))
  names(out) <- c('name', 'opening', 'summary', 'url')

  repeat {
    url_offset <- paste(url, 20 * i, sep = '')
    query <- GET(url_offset)
    dat <- query$content %>% rawToChar %>% fromJSON

    if(query$status_code %in% c(429, 400)) break # Query limit exceeded
    if(dat$num_results == 0) break # No results returned

    out <- rbind(out, data.table(
      name = dat$results$display_title,
      opening = dat$results$opening_date,
      summary = dat$results$summary_short,
      url = dat$results$link$url
    ))

    i = i + 1
  }

  return(out)
}

show_review <- function(mi, i)
  system(paste(
    '/Applications/Google Chrome.app/Contents/MacOS/Google Chrome',
    mi$url[i]
  ))

say_summary <- function(mi, i) {
  system(paste(
    'say', mi$summary[i]
  ))
}
```

**config.R**

```
source('analysis.R')

library(tidyverse)
library(magrittr)
library(data.table)
library(httr)
library(jsonlite)
```