

SANDBOX



EXPLORING NYTIMES WITH SHINY

- ▶ The NY Times has a number of useful and interesting APIs that will let you explore more than 150 years of articles, editorials, and everything else. For this exercise we will specifically use the Archive API to pull headlines from user specified dates in history.
- ▶ To access this or any of the other API keys you will need to register with the NY Times at <http://developer.nytimes.com/signup>.
 - ▶ Make sure that you register for the Archive API and not one of the other options.
 - ▶ Your API key will be limited to at most 5 requests / sec and 1000 requests / day - we shouldn't get anywhere near those limits but accidentally making a large number of requests in a short period of time can get your key blocked.

TASK 1 - GETTING DATA FROM NYTIMES

- ▶ A function is provided for this task in the apps/nytimes folder (get_nyt_archive.R)
- ▶ Note: The overall structure of the data is consistent over time but some of the value and formatting are not.

TASK 2 - SHINY FRONT END

- ▶ Create an app that allows the user to select a year, month, and day and view the headlines from that day.
- ▶ Your app should have the following features:
 - ▶ The user should be able to specify year, month, and day in a sidebar panel. Default value should be set to your birth year, month, and day.
 - ▶ The user should be able to supply their own API key, you are welcome to hard code your API key as the default value for this field.
 - ▶ The main panel should contain a neatly organized and well formatted list of front page NY Times headlines from the specified date.
 - ▶ The user should be able to click on any of the headlines (or attached UI element) and have a modal dialog box pop up that contains the title and first paragraph of the article as well as a link to the full article on [nytimes.com](https://www.nytimes.com).
 - ▶ You can get fancy and include any relevant multimedia links in the modal dialog box.

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