

Let's get some practice with regular expressions, file paths, and downloading files via R. Please turn in the code that completes the following tasks. In short the EPA's air quality measure AQI translates as the higher the number the worse the air quality.

1. Use the function `list.files()` to list all the CSV files within your `R.home()` directory. You may need to pull up the help file on `list.files()`.
2. Install the library `httr`.
3. Using the following pseudo code, download the following URL: [https://aqs.epa.gov/aqsweb/airdata/daily\\_aqi\\_by\\_county\\_2017.zip](https://aqs.epa.gov/aqsweb/airdata/daily_aqi_by_county_2017.zip). Information about these data is found at [https://aqs.epa.gov/aqsweb/airdata/download\\_files.html#AQI](https://aqs.epa.gov/aqsweb/airdata/download_files.html#AQI).

```
library(httr)
a_variable_name <- GET(URL)
binary_data <- content(a_variable_name, "raw")
writeBin(binary_data, file_path_on_your_machine)
```

4. Unzip the file and read into R the unzipped CSV file.
5. Perform a simple analysis on this data set, so as to tell me something interesting about it.