

Download, Upload, Load

Unit 1 - Lab 6

Directions: Follow along with the slides and answer the questions in **BOLDED** font in your journal.

Download, upload, load

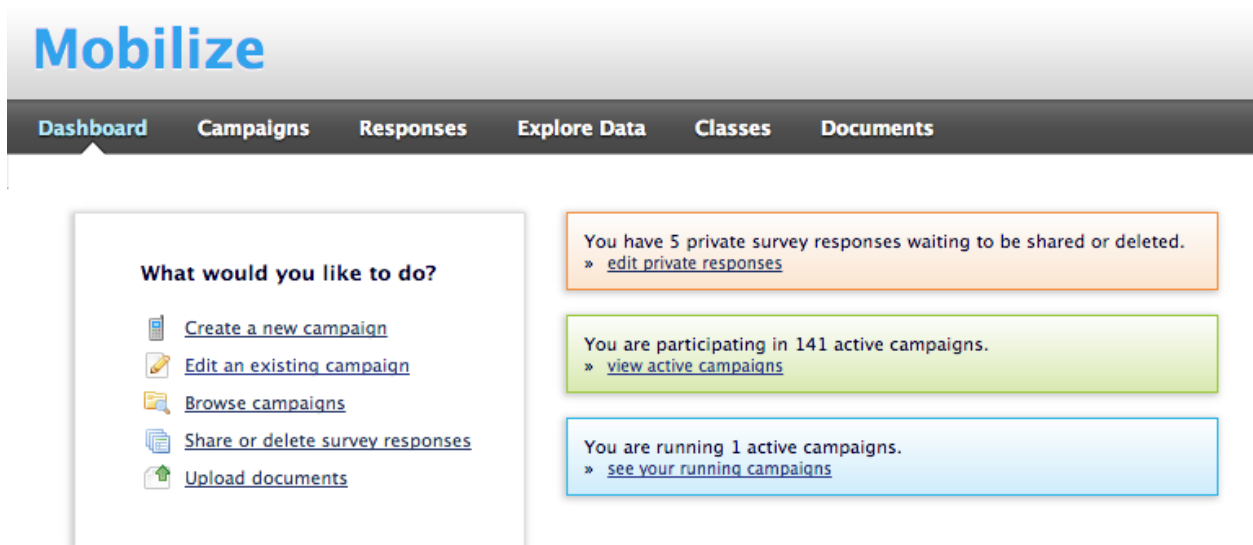
- Before we can perform any analysis, we have to load data into R.
- First, identify the data we want to analyze. Then
 - **Download** the data onto the computer
 - **Upload** data to RStudio server
 - **Load** data into R's working memory

Downloading

- To begin, go to the [Mobilize Landing Page](#).
 - Click on the **Web Frontend**
 - Fill in your username and password and click “Sign in.”

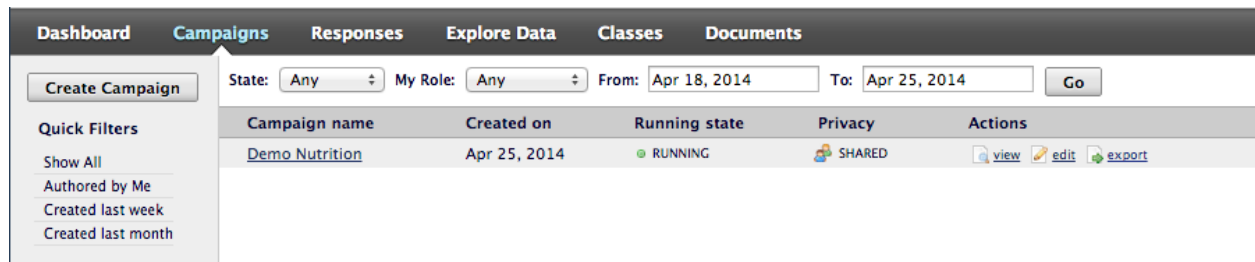
If you forget your username or password, ask your teacher to remind you.

Mobilize web front end



- After logging in, your screen should look like this.
- Click on the **Campaigns** tab.

Campaigns tab



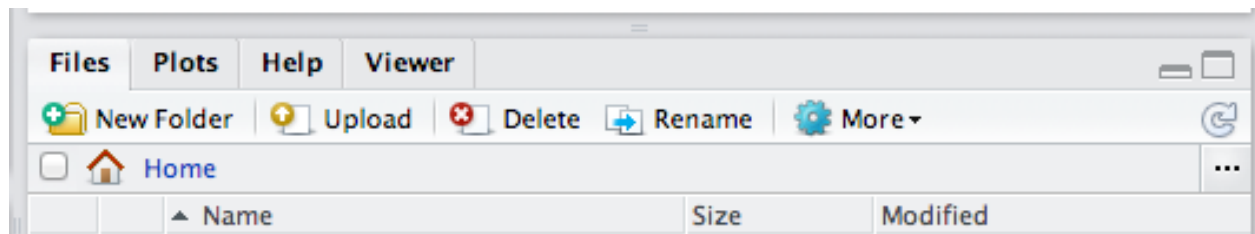
- When you click on the campaigns tab your screen should look something like this.
- Find the campaign you would like the data for:
 - At the right side of the screen, look for the link labeled **Export** Click it.
 - Remember where you save your file!

Downloading

- When you clicked the **Export** link a *csv* file was saved on your computer.
- Now that the file is on your computer, we need to **upload** it into RStudio.

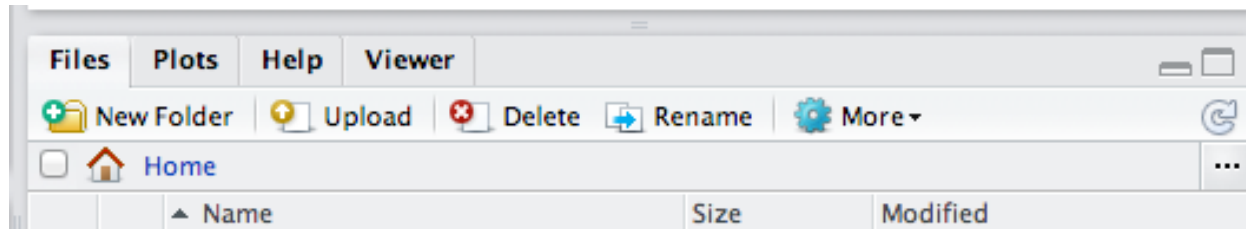
Uploading

- Look at the four different *panes* in RStudio.
 - Find the *pane* with a **Files** tab.
 - Click it!



- Click the button on the Files pane that says “Upload”
 - Find the SurveyResponses.csv file you saved to your computer.
 - Hit the *ok* button a few times.
- Voila!
 - If you look in the **Files** tab, you should be able to find your data!

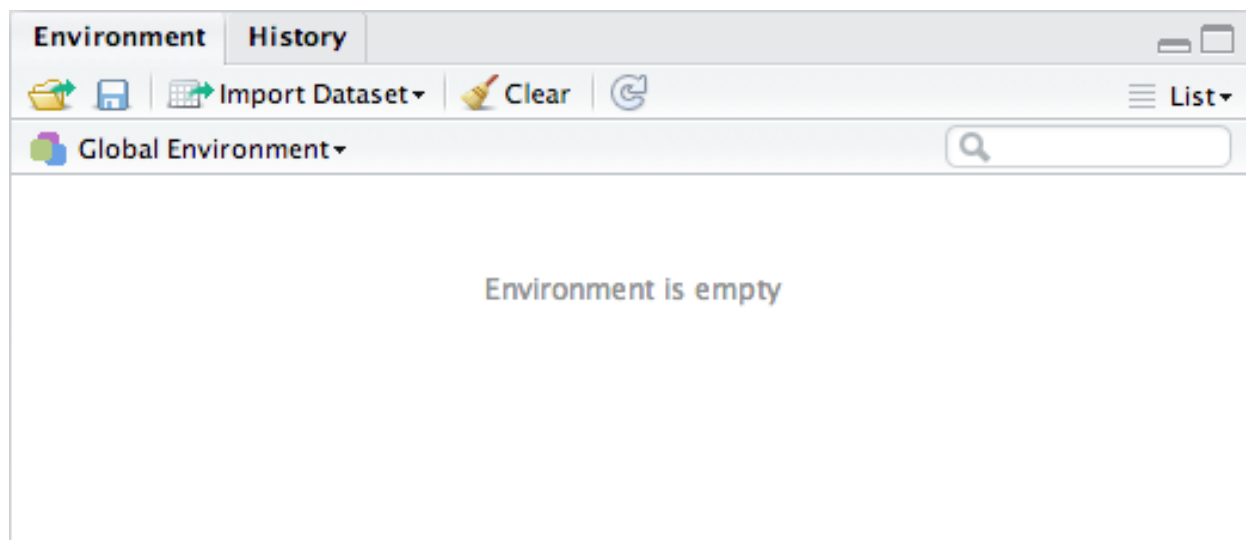
A word on staying organized...



- The **Files** tab has a few other features to help keep you organized.
 - *SurveyResponse* probably isn't the best name for your data. Click **Rename** to give it a clearer name.
 - If you click on **More**, you'll find an option to **Move** your data. You might consider keeping all of your data files together by **Move**-ing your data into the same folder.

Loading

- By **Uploading** your data into RStudio you've really only given yourself access to it.
 - Don't believe me? Look at the **Environment** tab ... where's your data?
- To actually use the data we need to **Load** it into your computer's memory.
- R can't remember all the datasets we have at once, which is why there's a separate step between **Uploading** and **Loading**.



- At the top of the Environment pane, click the "Import Dataset" button. Then, choose "From Text File."
- Find your *SurveyResponse* data and then click *Open*.

Data Preview

- Give your data a **Name**. This is the name you'll use in your code.
- When you're ready, click the *Import* button.

read.csv()

- After you click import you might notice something appeared in your console.

```
data.file <- read.csv("~/SurveyResponse.csv")  
View(data.file)
```

- We can actually **Load** the data without clicking the button!
 - This would allow you to load data by writing code!
 - This might come in handy later in the course.

Download, upload, load

- It's time to play with data!