MARKDOWN CONTENT

```
## Part 1: **Setup**
>"The only difference between a mob and a trained army is organization" - *Calvin Coolidge*
Just like all aspects of life, organizing your files in R can maximize effectiveness and reduce frustration. One way to achieve that is to organize all the
bits and pieces of your data analysis into a folder on your computer that holds all files relevant to the particular piece of your assignment or data
analysis. Fortunately, R studio provides a very simple method to create a self-contained ***Project*** that helps achieve that functionality. Most
Importantly, storing all your files in a project also ensures your code to work, even if you move your files around your computer or onto other computers.
*Not Convinced*? Let's try out an example:
### *Without organizing files in an R project*
(***Please Follow all Directions carefully***)
* (reate a folder named `lab1` in any location where you are **NOT** planning to store your labs. (Note: we will delete this folder later)
* Create two folders inside the `lab1` folder: `data` and `scripts`.
  Download and unzip the data files from <a href="https://geog215-spds.rbind.io/labs/lab1/data/lab1 data.zip">https://geog215-spds.rbind.io/labs/lab1/data/lab1 data.zip</a> and save them (the unzipped files) in the 'data'
folder.
* Open Rstudio
* Set your working directory to the `lab1` folder. This is going to be your "parent" directory for the analysis (Hint: You can either do this by writing a
command in the console, or you can use a command from the RStudio menubar). If you do not know how to do this you can check the "Set/change working"
directory" section in <a href="http://www.sthda.com/english/wiki/running-rstudio-and-setting-up-your-working-directory-easy-r-programming">http://www.sthda.com/english/wiki/running-rstudio-and-setting-up-your-working-directory-easy-r-programming</a>
* You are now going to save all your commands in an R script. Create a new R script called `lab01_01_YOURLASTNAME.R` and store it in the `scripts` folder.
(You can either do this writing a command in the console, or you can use a command from the RStudio menubar). If you choose to write a command in the
console, open the script in Rstudio. (Note: The script will automatically open if you choose to create it through Rstudio's menu bar.)
```

* To ensure that you are in the right directory everytime you run your R script, copy the executed command to set your working directory in your console to set your working directory in the sub-directories on your set your script. Notice the file path, it is called an ***Absolute*** path because it contains all the sub-directories on your

"``{r eval =F}
Hint: In mac OSX it may look like
setwd("~/path/to/my/directory")
For Windows, the command might look like :
setwd("c:/Documents/my/working/directory")

computer required to locate the file





RENDERED HTML

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<div id="part-1-setup" class="section level2">
<h2>Part 1: <strong>Setup</strong></h2>
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<div class="sourceCode" id="cb1"><code class="sourceCode r"><a class="sourceLine" id="cb1-1" data-line-number="1"><cpre><code r"><code class="sourceCode r"><code r"><a class="sourceLine" id="cb1-1" data-line-number="1"><code r"><code class="sourceCode r"><code r"><code class="sourceCode r"><code r"><code class="sourceCode r"><code r"><code
># Hint: In mac OSX it may look like</span></a>
<a class="sourceLine" id="cb1-2" data-line-number="2"><span class="kw">setwd</span>(<span class="st">&quot;~/path/to/my/directory&quot;</span>)</a>
<a class="sourceLine" id="cb1-3" data-line-number="3">For Windows, the command might look like <span class="op">:</span></a>
<a class="sourceline" id="cb1-4" data-line-number="4"><span class="kw">setwd</span>(<span class="st">&quot:c:/Documents/my/working/
```