Help

Dummies' Guides to Markdown & Github for fellow noobs

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Shaun Brophy · 7 days ago 🔗

I haven't had the luxury of taking the Data Specialization courses in the 'correct' order, so, through Week 3 of this course, five percent of what I've learned so far has been about M.L., 95% about Markdown and Github. I assume many of you are in the same boat. A few students have posted some helpful info in various posts in these forums—Thank you. A few others have posted some overly complex/technical/time-consuming info—Thank you, but …

I thought I'd compile what I've just learned into Dummies' Guides for others—the barest essentials for the quickest, easiest navigation of M.d. and G.h. for this course. I wasted a lot of time; no sense in others having to as well. M.d. info here; G.h. in a thread here:
https://class.coursera.org/predmachlearn-002/forum/thread?thread_id=204

The below is all based on using RStudio, so if you want to apply this info exactly, you have to have (free) RStudio. http://www.rstudio.com/

Install the knitr package. http://cran.r-project.org/web/packages/knitr/index.htm
To get a M.d. file, instead of creating a File→New File→R Script, select …→R Markdown.

Once you have the knitr package installed, if you select Help from the RStudio Menu bar, there will be available a Markdown Quick Reference option. Read it; it's a 2-minute guide to 75% of everything you'll need to know re. M.d.

In the file Menu bar will be a Knit HTML button. Clicking that is all you have to do to create the HTML file that you need to submit.

```
```{r setup, include=FALSE}
```

```
opts_chunk$set(cache=TRUE)
```

If you put this bit of code near the beginning of your script, it will cache all of your code chunks for you. This itself is a code chunk (or block): lines of code that execute and whose results will show up in your HTML doc—although in the case of this particular code chunk, there are no results to see.

If you don't cache your code, every time that you recreate your HTML doc, the code will have to rerun. So, if it takes an hour to run a random forest model, without using caching, it will take an hour every time you Knit HTML. (I combined my Markdown file and my writeup as one document, so this was important for me. If you don't, you probably don't need to think about caching.)

Alternately, you can cache code chunks individually with:
```{r originalPreds, cache=TRUE}
preds=predict(model, newdata=data)
```
Note that 'setup' and 'originalPreds' are just the names of the code chunks in the respective examples. You don't have to name your chunks, but if you might want to turn caching off for 1 or 2 code chunks without turning it off for the rest of them, I'd suggest that you name them.

To turn off a code chunk:
After you create a Knit HTML file, there will be a 'cache' subfolder in the same folder in which your M.d. script is saved. Open it; find the name of the code chunk whose cache you want to delete; and delete it. Now that code chunk will run if you Knit HTML again. If you didn't name the code chunk, good luck guessing which one to delete.

If you want to show a chunk of code in your document but don't want it to run, use:
```{r, eval=FALSE}
< … code … >
```

↑ **6** ↓ · flag

Anonymous · a day ago 🔗

I have the Rmd and Html files already locally. How do I get it to Github? I know how to post the url to Github.
Any help would be greatly appreciated.

↑ 0 ↓ · flag

+ Comment

Anonymous · a day ago ⚲

I installed GIt on my Windows computer and then made a new repository with the local HTML and Rmd
file.
Then I published the Git repository.
Once I submit my Git url, will that be sufficient then?

⬆ 0 ⬇ · flag

+ Comment

Shaun Brophy · a day ago ⚲

Here's the link to a thread where I posted all I learned about Github.

https://class.coursera.org/predmachlearn-002/forum/thread?thread_id=204

⬆ 0 ⬇ · flag

+ Comment

Anonymous · a day ago ⚲

my html has plots. The plots show up fine in the local html file (if I open it in my browser) but not in the
one pushed to github.

I am spending more time trying to get github work than data analysis What a PITA!!!!!

⬆ 0 ⬇ · flag

Anonymous · 15 hours ago ⚲

Are your image/plot files visible when you browse the git repo? You have to execute "git add
<file>.jpg" for each image file you want to add.. then git commit and git push.

⬆ 0 ⬇ · flag

Anonymous · 14 hours ago ⚲

Theere is no seprate image saved in the directory where the html file is. This is what I have in html file in my local directory. Looks like its an inline image? I am able to see this fine when I open the file locally in my broswer but not from github.

```
<p>we can see the accuracy plot of the model against the # of variables random
ly selected here:</p>
<p><img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAABUAAAAPACAYAAAD0ZtP
ZAAAEJGlDQ1BJQ0MgUHJvZmlsZQAAOBGFVd9v21QUPolvUqQWPyBYR4eKxa9VU1u5GxqtxgZJk6XtS
hal6dgqJOQ6N4mpGwfb6baqT3uBNwb8AUDZAw9IPCENBmJ72fbAtElThyqqSUh76MQPISbtBVXhu3Z
iJ1PEXPX6yznfOec7517bRD1fabWaGVWIlquunc8klZOnFpSeTYrSs9RLA9Sr6U4tkcvNEi7BFffO6
+EdigjL7ZHu/k72I796i9zRiSJPwG4VHX0Z+AxRzNRrtksUvwf7+Gm3BtzzHPDTNgQCqwKXfZwSeNH
HJz1OIT8JjtAq6xWtCLwGPLzYZi+3YV8DGMiT4VVuG7oiZpGzrZJhcs/hL49xtzH/Dy6bdfTsXYNY+
5yluWO4D4neK/ZUvok/17X0HPBLsF+vuUlhfwX4j/rSfAJ4H1H0qZJ9dN7nR19frRTeBt4Fe9Fwpwt
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49kv6fN5IAHgD+0rbyoBc3SOjczohbyS1drbq6pQdqumllRC/0ymTtej8gpbbuVwpQfyw66dqEZyxZ
KxtHpJn+tZnpnEdrYBbueF9qQn93S7HQGGHnYP7w6L+YGHNtd1FJitqPAR+hERCNOFi1i1alKO6RQn
jKUxL1GNjwlMsiEhcPLYTEiT9ISbN15OY/jx4SMshe9LaJRpTvHr3C/ybFYP1PZAfwfYrPsMBtnE6S
wN9ib7AhLwTrBDgUKcm06FSrTfSj187xPdVQWOk5Q8vxAfSiIUc7Z7xr6zY/+hpqwSyv0I0/QMTRb7
RMgBxNodTfSPqdraz/sDjzKBrv4zu2+a2t0/H
```

iVBORw0KGgoAAAANSUhEUgAABUAAAAPACAYAAAD0ZtPZAAAEJGlDQ1BJQ0MgUHJvZmlsZQAAOBGFVd9v21QUPolvUqQWPyBYR4eKxa9VU1u5GxqtxgZJk6XtShal6dgqJOQ6N4mpGwfb6baqT3uBNwb8AUDZAw9IPCENBmJ72fbAtElThyqqSUh76MQPISbtBVXhu3ZiJ1PEXPX6yznfOec7517bRD1fabWaGVWIlquunc8klZOnFpSeTYrSs9RLA9Sr6U4tkcvNEi7BFffO6+EdigjL7ZHu/k72I796i9zRiSJPwG4VHX0Z+AxRzNRrtksUvwf7+Gm3BtzzHPDTNgQCqwKXfZwSeNHHJz1OIT8JjtAq6xWtCLwGPLzYZi+3YV8DGMiT4VVuG7oiZpGzrZJhcs/hL49xtzH/Dy6bdfTsXYNY+5yluWO4D4neK/ZUvok/17X0HPBLsF+vuUlhfwX4j/rSfAJ4H1H0qZJ9dN7nR19frRTeBt4Fe9FwpwtN+2p1MXscGLHR9SXrmMgjONd1ZxKzpBeA71b4tNhj6JGoyFNp4GHgwUp9qplfmnFW5oTdy7NamcwCI49kv6fN5IAHgD+0rbyoBc3SOjczohbyS1drbq6pQdqumllRC/0ymTtej8gpbbuVwpQfyw66dqEZyxZKxtHpJn+tZnpnEdrYBbueF9qQn93S7HQGGHnYP7w6L+YGHNtd1FJitqPAR+hERCNOFi1i1alKO6RQnjKUxL1GNjwlMsiEhcPLYTEiT9ISbN15OY/jx4SMshe9LaJRpTvHr3C/ybFYP1PZAfwfYrPsMBtnE6SwN9ib7AhLwTrBDgUKcm06FSrTfSj187xPdVQWOk5Q8vxAfSiIUc7Z7xr6zY/+hpqwSyv0I0/QMTRb7RMgBxNodTfSPqdraz/sDjzKBrv4zu2+a2t0/H

⬆ 0 ⬇ · flag

Theodore Petrou · 6 hours ago 🔗

Open up the .md file on github and this should be what you are expecting.

⬆ 0 ⬇ · flag

Anonymous · 5 hours ago 🔗

I pushed again and now it seems to work fine. Thanks!

⬆ 0 ⬇ · flag

+ Comment

Anonymous · 15 hours ago 🔗

Thanks for the hint on caching.. I wrote a few r markdown docs so far and always wondered how to speed up calculations.

⬆ 0 ⬇ · flag

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