Exercise 1
Part a: GitHub
Part b: R/knitR/Rmarkdown

Note: all homework submissions occur via github

Week 1 Exercise (part a):

1. If you haven't already, create an account at github.com/join; give userid to Mark via https://forms.gle/4dhWdcPa9TfsMhHMA
2. Acquaint yourself with git / github (gitlab) [1]; make sure you can check in (`push`) / out (`pull/clone`) files from command line or app [2].
3. Create a new public git repository, add a README.md (using markdown [3]) and add some content; include an image; include a web link, etc.
4. Add an Issue to the 'material' repo [4] with a link to your repo (you can delete the repo after I've closed the issue, if you want)

[1] https://gist.github.com/andrewpmiller/9668225
[2] https://confluence.atlassian.com/stash/basic-git-commands-278071958.html
[3] http://markdowntutorial.com/
[4] https://github.com/sta426hs2020/material

Rmarkdown / **knitR** for executable documents / reproducibility

Week 1 Exercise (part b):

1. Test your R knowledge here: https://forms.gle/NjpFPW5G6Y8viU3C6
2. Acquaint yourself with knitR PDF/HTML Rmarkdown documents [1].
3. Create an HTML document that samples 100 values from a log-normal distribution (say, mu=1, sigma=.25); create a histogram of the distribution and the distribution on the log scale; report the mean and variance of the sample in line in the text. In general, do not just dump the R code and plots in the HTML document; break your exercises into sections with headings, add some text and make it readable.
4. Add the RMD and HTML files to your repo from Exercise part a.

[1] https://www.r-bloggers.com/r-markdown-and-knitr-tutorial-part-1/