Preparation for NRES 776 Lab 1

Hi Everyone,

Great to meet you on Thursday and apologies again for the technical problems! Our first lab with be on Wednesday, Sept 15th, starting at 11:30 am in Blackboard Collaborate. The lab will start with an introductory tutorial and then we’ll have a discussion of this week’s readings led by Matt and Tory.

In preparation for the lab, please:

1. Download and install R Studio Desktop (Free version): https://www.rstudio.com/products/rstudio/download/
2. If you are new to R Studio, here is a short introductory video about how R Studio looks and works: https://www.youtube.com/watch?v=5YmcEYTSN7k
3. In follow-up to our conversation last week, here are a couple of short articles about learning code incrementally:

https://dynamicecology.wordpress.com/2018/10/30/when-learning-r-or-any-other-new-task-its-okay-to-start-small/amp/

https://www.nature.com/articles/d41586-019-00653-5?utm\_source=Nature+Briefing&utm\_campaign=7b5348ce3d-briefing-wk-20190222&utm\_medium=email&utm\_term=0\_c9dfd39373-7b5348ce3d-42215019

1. If you have time, you can work through the first R Datacamp module, which is available even if you haven’t signed up for your account. The link is here: https://learn.datacamp.com/courses/free-introduction-to-r
2. We will have a subscription to R Datacamp as part of the course. R Datacamp has a large number of instructional modules for learning R. To gain access, please follow this invitation link: https://www.datacamp.com/groups/shared\_links/32d896ae7fb1476abe8ebfc4c1205f0bc87b61b8120f1e05cc84d7d5608cc54f
3. Please read the first two papers about the importance of reproducible code for the lab discussion:

Stodden, V., Seiler, J., Zhaokun, M. 2018. Journal policy for computational reproducibility. Proceedings of the National Academy of Sciences 115:2584-2589; DOI: 10.1073/pnas.1708290115

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5856507/?tool=pmcentrez&report=abstract>

Alston, J. M., and Rick, J. A.. 2020. A Beginner's Guide to Conducting Reproducible Research. Bull Ecol Soc Am 102( 2):e01801. <https://prxy.lib.unbc.ca/login?url=https://doi.org/10.1002/bes2.1801>

I hope you are having a great weekend and look forward to meeting next week.

Kind regards,

Heather

https://datacamp.com/groups/shared\_links/b62b191eac4b6fefb1170734ea0535ed06f5d457a52ce37236b7a9009f3fdbb0

Please note that I have posted a new version of the Syllabus with official links to the readings provided by the library copyright staff.

See you soon!

Heather

[Learning R in small chunks](https://dynamicecology.wordpress.com/2018/10/30/when-learning-r-or-any-other-new-task-its-okay-to-start-small/amp/)

[The ten commandments for learning how to code](https://www.nature.com/articles/d41586-019-00653-5?utm_source=Nature+Briefing&utm_campaign=7b5348ce3d-briefing-wk-20190222&utm_medium=email&utm_term=0_c9dfd39373-7b5348ce3d-42215019)