

Temporal Ecology Lab Meetings — Autumn 2023

Lab meeting is Wednesdays at 1pm PDT in BRC (Zoom link)

Date	Who/Topic	Snacks?	Reading
13 Sep*	G-Gothic (Deirdre)	Lab snacks	Ch. 1-2
20 Sep	B-Simulating data	Lizzie	Ch. 3
27 Sep	G-Smithers	Tolu	Ch. 4
4 Oct	B-Workflow (Lizzie)	Fredi	Ch. 5
11 Oct	G-Grad school/Careers	Dajeong	Ch. 6-7
18 Oct*	B-Fredi	Deirdre	Ch. 8
25 Oct*	G-Tolu	Justin	Ch. 9
1 Nov*	B-Britany	Hoai Huong	Ch. 10-11
8 Nov*	G-Dajeong	Britany	Ch. 12
15 Nov*	B-Hoai Huong	Fredi	Ch. 13
22 Nov*	G-Justin	Dajeong	Ch. 14
29 Nov			
6 Dec	B-hierarchical (Lizzie)	Deirdre	Ch. 15-16
12 Dec*	<i>tentative</i>		

*Lizzie is away

There is one main textbook: *Regression and Other Stories* (ROS) by Gelman, Hill & Vehtari (more info here, including ROS online PDF). Chapters (Ch) mentioned in the syllabus come from this book unless otherwise noted. For multi-level modeling we will read from *Data Analysis Using Regression and Multilevel/Hierarchical Models* by Gelman & Hill (more info here); note that I refer to this book as **ARM** or Gelman & Hill (much of the first half of ARM is in ROS. If time allows we may read one chapter from *Statistical Rethinking* (SR) by MacElreath (more info here). Relevant repos are: bayesforever and gelmanhill (which has good vocab).

Topics to cover: midge, grants/proposals, EDI, shoot elongation TreeRingSys (needs a name, our new approach!), how to give feedback, Smithers research, chilling,

Journals: Post titles and links [here](#). Post EDI articles on lab meeting papers and/or here.

Lizzie: *Science*

Fredi: *PNAS*, *Global Change Biology*

Deirdre: *Nature*, *New Phytologist*

Tolu: *Ecology Letters*

Britany: *Nature Climate Change*

Dajeong: *Journal of Ecology*

Hoai Huong: *Ecology*

Justin: *American Journal of Botany*

OPEN: *Nature Ecology and Evolution*, *TREE*

If you want to attend via Zoom (link near top of first page), please reply all to the lab meeting email so one of us sees and can try to set up the call. Thank you!

Seminars not to miss:

- 6 December: Barnabas Daru