

## Temporal Ecology Lab Meetings — Autumn 2023

Lab meeting is Wednesdays at 1pm PDT in BRC

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
<del>29 Nov</del>			
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*

**Seminars not to miss:**

- 6 December: Barnabas Daru