

Temporal Ecology Lab Meetings — Spring 2024

Lab meeting is Tuesdays at 1:30 pm PDT in BRC (Zoom link)

Date	Who/Topic	Snacks?	Reading
16 Jan	Scraping PDFs – Selena	Deirdre	
23 Jan	<i>Bayesian week!</i>		
30 Jan	Tree ring & ROS-Mao	Adam	Ch. 11
6 Feb*	ROS	Britany	Ch. 12
13 Feb	EGRET check-in & EDI	Deirdre	
20 Feb	<i>Spring break!</i>		
27 Feb	Tree rings & ROS	Hoai Huong	Ch. 13-14
5 Mar	EGRET	Justin	
12 Mar	ROS	Lizzie	Ch. 16
19 Mar	Tree rings	Mao	
26 Mar	ROS	Sandy	Ch. 22
2 April	EGRET	Selena	
9 April	Tree rings & ARM	Deirdre	ARM Ch. 11-12

*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*

Mao: Deirdre: *Nature, New Phytologist*

Britany: *Nature Climate Change*

Dajeong: *Journal of Ecology*

Hoai Huong: *Ecology*

Justin: *American Journal of Botany*

Selena: *Nature Ecology and Evolution*

Sandy:

Adam:

OPEN: *TREE*, *GCB*, *Ecology letters*

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:

- 3 April: Stefano Allesina