

## 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	
<del>23 Jan</del>	<i>Bayesian week!</i>		
30 Jan	Tree ring & ROS-Mao	Adam	Ch. 11
6 Feb*	Christophe & ROS-Justin	Britany	Ch. 12
13 Feb	EGRET check-in & EDI	Deirdre	
<del>20 Feb</del>	<i>Spring break!</i>		
27 Feb	Tree rings & ROS-Deirdre	Hoai Huong	Ch. 13-14
5 Mar	EGRET	Justin	
8 Mar	Careers (Fri 12pm)		Tolu
12 Mar	ROS-Britany	Lizzie	Ch. 16
19 Mar	Tree rings & Deirdre's talk	Mao	
26 Mar	EGRET & ROS-Mao	Sandy	Ch. 22
2 April	Allesina talk (check room)		
9 April	Tree rings & ARM-Lizzie	Selena	ARM Ch. 11-12
16 April	Optional (in Rm 225)	TBA	TBD

\*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: *PNAS*, *GCB*

Deirdre: *Nature*, *New Phytologist*

Britany: *Nature Climate Change*

Dajeong: *Journal of Ecology*

Hoai Huong: *Ecology*, *Ecology Letters*

Justin: *American Journal of Botany*

Selena: *Nature Ecology and Evolution*

Sandy: *Current Biology*

OPEN: *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:**

- 3 April: Stefano Allesina