

Methods in Experimental Ecology II (PCB 6468)

Class schedule version 3/30/2016

Session	Room	TOPIC	Date
1	Bio-305	Class Presentation	Jan 13
2	Bio-305	Why worry about assumptions? / Exercise 1	Jan 15 - Assumptions
3	Bio-305	Two Frameworks: Frequentist and Bayesian	Jan 20
4	Bio-305	Why Bayesian? Model of the mean / Exercise 2	Jan 22 - Averages
5	Bio 305	Logistic regression	Jan 27
6	Bio 305	Logistic regression / Exercise 3	Jan 29 - Logistic regression
7	Bio-305	Are all models linear?	Feb 3
8	Bio-305	Nonlinear / Exercise 4	Feb 5 - Non linear
9	Bio-305	Logistic regression (reprise)	Feb 10
10	Bio-305	Logistic regression / Exercise 3 (reprise)	Feb 12 - Ex3 (reprise)
11	Bio-305	How to deal with count data?	Feb 17
12	Bio-305	Count data / Exercise 5	Feb 19 - Count data
13	Bio-305	Non-independence of samples	Feb 24
14	Bio-305	Linear Mixed Models / Exercise 6	Feb 26 - Mixed Models I
15	Bio-305	Review and questions	Mar 2
16	Bio-305	EXAM #1	Mar 4
-	-	<i>Spring Break</i>	<i>Mar 7-12</i>
17	Bio-305	Mixed model selection	Mar 16
18	Bio-305	LMM selection / Exercise 7	Mar 18 – Literature search
19	Bio-305	Generalized Linear Mixed Models	Mar 23
20	Bio-305	GLMM / Exercise 8	Mar 25 – P-values
21	Bio-305	How to deal with zeroes?	Mar 30
22	Bio-305	Zero-Inflated Models / Exercise 9	Apr 1 – Zero-Inflated roses
23	Bio-305	Non-linear counts	Apr 6
24	Bio-305	Non-linear counts / Exercise 10	Apr 8 – Find data
25	Bio-305	<i>Present analysis of your data (CS, KM)</i>	Apr 13
26	Bio-305	<i>Present analysis of your data (GS, PK, RW)</i>	Apr15
27	Bio-305	Review and questions	Apr 20
28	Bio-305	EXAM #2	Apr 22

Exercise and review timetable version 3/30/2016

FRIDAY	EX7	EX8	EX9	EX10
1-Apr	R1	V1	A	A
8-Apr	V2	R1	V1	-
15-Apr	R2	V2	R1	PT
22-Apr	-	R2	V2	-
29-Apr	-	-	R2	-

A: Exercise is assigned

V1: First version of the exercise is turned in by all the authors

R1: First review of the exercise is turned in by the three reviewers

V2: Second version of the exercise is turned in by authors who choose to resubmit

R2: Second and final review of the exercise is returned to authors

PT: In class presentation