

Evolution Workshop EEID June 6th – 9th, 2010
Upson Hall, Cornell University

Instructors:

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Sunday, June 6th

- 8:30 – 9:15** **Roll Call, Introductions, & Logistics (Rm. 101 Philips Hall)**
- 9:15 – 10:00** **R-tutorial (Stu + whomever)**
- Review sections 1-6. (Rm. B7 Upson Hall)
- 10:00 – 12:00** **R-tutorial (Stu + whomever)**
- Section 7 (Random Numbers), 8 (Matrix), 9 (Loops)
- 12:00 – 13:00** **Lunch (provided)**
- 13:00 – 14:00** **Group presentations on datasets and questions**
- 14:00 – 16:00** **R-tutorial: 10 (Plotting), 11 (Functions), 12 (ODEs)**
- 16:00 – 18:00** **Projects: formatting data and formulating hypotheses (Mike)**

Monday, June 7th

- 8:30 – 10:30** **Intro to Maximum Likelihood Estimation (Steve Ellner)**
- 10:30 – 12:00** **Student Group Initial Presentations**
- Propose possible questions/analyses
- 12:00 – 13:00 PM** **Lunch (provided)**
- 13:00 – 16:30 PM** **Student Group Initial Presentations**
- Propose possible questions/analyses
- 16:30 - 18:00** **Population Genetic Analyses of Pathogens (Mike)**
- Population genetic structure of pathogens
 - Using assignment probabilities for pathogen data

Tuesday, June 8th

8:30 AM – 12:00 **Estimating and interpreting phylogenies, ancestral states and coalescent models (Roman)**

12:00 – 13:00 **Lunch (provided)**

13:00 – 17:00 **Student Groups**
• Work, work, work.

Wednesday, June 9th

8:30 – 15:00 PM **Student Groups**
• Work, work, work, think hard, work some more.

12:00 – 13:00 PM **Lunch (provided)**

15:00 – 17:00 PM **Student Presentations**
• 10 minutes per group to present results at the end