
1st EvoGenomics Methods Workshop

Yocelyn
Phred
Anne

Course intro: logistics

- GitHub repository with everything:
<https://github.com/eachambers/EvoGeno-Methods-Workshop>
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- **Schedule:** Fridays from 10AM–1PM

Date	Topic	Instructor
April 21	Basics and QC	Anne
April 28	Basics of selection and demographic analyses	Phred
May 5	Comparative genomics	Yocelyn

Course intro: logistics

- Structure of each workshop:
 - Lectures
 - Exercises
 - Go through exercise together
 - All on GitHub! We'll post answers afterwards

Topics

1. Basics of genomics (slides [here](#))

- Quick summary of approaches: library prep & bioinformatics assembly (standard filtering, mapping, and variant calling)
 - How do methods compare? How does it depend on the questions you want to ask?
 - Considerations and biases for different genomic data types
 - Brief review of sequencing/input/output file types
 - *Exercises [here](#)*
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Course intro: other stuff

- This is the first time we're doing this
 - If this stuff is all new to you:
 - Good judgement comes from experience, experience comes from bad judgement, so make mistakes!
 - Take breaks to avoid frustration
 - Keep a "lab" notebook
 - Save a copy of unedited, raw data
 - If this stuff is all familiar to you:
 - Please help your peers! Use this as teaching experience
 - Be respectful and supportive!
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