

Project Proposal

Background

- Some experience in R from stats classes and some preliminary analysis for my project
 - I do enjoy using R, especially if I have a clear objective and some idea of what I'm doing
- No experience using GIT



Summary of project

- Study system: Verde R. in AZ
- How do aquatic invertebrate communities differ in tributaries vs the mainstem?
- How do aquatic invertebrates sort into different microhabitat types (riffles, runs, and pools)?
- Abundance data for different taxa and the corresponding habitat data at three sites in the mainstem and three sites in each of three tributaries.
- Currently processing tributary samples but I have two years of mainstem data to use.

Project goals for the quarter

- Clean and organized pipeline for future analyses
- Measures of diversity between sites (and tributaries?)
- Ordination(s) showing microhabitat differences
- Finally learning how to use R markdown?

Anticipated challenges

- Learning curve with GIT (I still really don't know what I'm doing or how it works)
- Holding myself accountable for progress
- Finding time with the GRFP deadline in mid October