Graduate students are often expected to know R and other computational skills. However, these skills are often not taught during undergraduate programs or during graduate classes. Therefore, bootcamps are one approach to bring students up to speed.

This bootcamp consisted of two days of “live coding” and working on problems. The material was part of the https://software-carpentry.org/ curriculum.

**Workshop objectives**

- Introduce students to programming using the R language
- Introduce students to version control and command line
- Expose students to resources on campus to learn additional skills (e.g. Data Science Initiative, Davis R Users Group)
- Introduce students to core ideas of reproducible software and manuscripts

**Sample of topics covered**

- Importing data into R
- Using scripts versus command line
- Workflow with Git and Github
- For loops and writing functions
- Writing documents in R markdown

**Feedback from participants**

- After the workshop, students reported feeling more confident in the skills they learned and motivated to learn more
- Students also reported they were happy with the amount of “hands-on” work and with the quality of instructors
- Four other UC Davis graduate students gained experience teaching a part of the workshop

**Potential next steps**

There was a lot of demand for the workshop, with over 40 attendees and an additional 20 on the waiting list. Ideally, a version of this bootcamp would be taught several times per year.

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