**EDUC 643 Lab: Applied Statistics in Education and Human Services II**

**Meeting**: Tuesday, 5:30p - 6:20p, Lokey 116; Wednesdays, 1:00p - 1:50p, HEDCO 142

**GEs:** Havisha Khurana (Havi; she/her/hers); Brittany Spinner (she/her/hers)

**Office Hour**: by appointment ([havishak@uoregon.edu](mailto:havishak@uoregon.edu) and [bspinner@uoregon.edu](mailto:bspinner@uoregon.edu)).

In the weeks when assignments are due, GEs will offer office hours with Zoom and in-person options.

**Overview:**

The labs to EDUC 643 are designed to a) present opportunities for students to practice their statistical interpretation skills in new contexts, and b) provide hands-on coding support in the R programming language using the RStudio interface. The labs are ungraded and do not count towards student evaluation. We assume coding exposure to functions that are used to describe and plot variables as well as conduct statistical tests introduced in EDUC 641

**Structure and Expectations:**

Lab sessions will be used to practice key statistical concepts along with the code mentioned in class and will be similar in design to the assignment. For the labs used to review content, students will get a worksheet that they will attempt in groups during the lab time. In the labs used to provide support with assignments, students will get a help-sheet with code hints for assignment questions. They will have time to work on their own and ask for help as needed. Students will need a working device with internet connection during the sessions (reach out to the instructor or the GEs if you do not have a device and need support accessing one).

Students are encouraged to -

1. Work in pairs or groups of three
2. Review course material prior to the lab
3. Seek GEs support during the session and via emails, office hours, etc.
4. Attend labs meetings on the days they have signed up for

**Schedule (tentative):**

Week 1: Describing Variables and relationships

Week 2: modelsummary and creating regression tables (review)

Week 3: post-estimation commands to extract and analyze the residuals, predicted values, etc.

Week 4: Assignment 1 work session

Week 5: Prototypical plots

Week 6: Assignment 2 work session

Week 7: Assignment 3 work session

Week 8: Graphing interactions

Week 9: Assignment 4 work session

Week 10: Final project work session

**Course Material Acknowledgment:** David Liebowitz, Congli (Claire) Zhang