EDLD 640 Capstone Agreement

Amy Warnock

I am currently enrolled in *EDLD 640: Educational Data Science Capstone*, the final course needed for an *Educational Data Science Specialization* offered through the College of Education. This letter is to communicate an agreement between myself, the Office of Assessment and Research in the Division of Student Life at University of Oregon, and Dr. Zopluoglu (the instructor of EDLD 640). A brief description of the planned capstone project in partnership with the Office of Assessment and Research is provided below.

University of Oregon’s Campus Labs platform (currently rebranding to Anthology) serves as a hub for student organizations and other engagement opportunities (e.g., campus events). There are more than 400 student organizations run through Campus Labs, falling under categories such as ASUO Student Organizations, Club Sports, CSI Registered Student Organizations, Fraternity & Sorority Life, and Student Life. Student participation data and account records go back to 2012, but these data have not been explored. Doing so would provide a more concrete understanding of what students are doing (i.e., the clubs they are participating in), how they are engaging, whether there are differences or gaps in level of engagement between student subgroups (i.e., are some students engaging more than others?), and how engagement has changed over time.

For this project, I will (a) tidy, wrangle, and clean a dataset exported from Campus Labs, (b) merge the participation data with demographics (e.g., gender, race/ethnicity, First-Generation status, Oregon residency status, nontraditional student status, etc.) from UO’s data warehouse, (c) analyze the data, and (d) create an interactive R Markdown html report summarizing and illustrating findings to share with UO leadership. I anticipate that cleaning and organizing the data will be a substantial component of this project. The analyses will be descriptive (e.g., means, counts, percentages), and the data visualizations and narrative will be appropriate for a non-technical audience. In discussion with the supervisor for this project, Director Dr. Renée Delgado-Riley, a report was preferred over a dashboard as the initial outgoing product given the constraint of the timeline and messiness of the dataset.

*Signatures*

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| *Amy Warnock* |  | *January 16, 2023* |
| Amy Warnock |  | *Date* |
| C:\Users\reneedr\Downloads\FullSizeRender.jpg |  | *January 17, 2023* |
| Dr. Renée Delgado-Riley, Director,  Office of Assessment and Research,  Division of Student Life, University of Oregon |  | *Date* |
|  |  |  |
| Cengiz Zopluoglu |  | *Date* |