



Statistics Seminar

Friday, March 25 12:00 pm - 1:00 pm Zoom

Introducing Rguroo, and a discussion of what statistical software for teaching should offer

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Abstract: Today, thousands of students take statistics as part of their general education courses. Most of us agree that we should use technology in our statistics courses. Selecting an appropriate technology tool amongst the plethora of existing technology can be difficult. It is important that our choice does not introduce an additional burden for students in learning the already complex statistical concepts. In this talk, I will introduce Rguroo, a software developed for teaching statistics. I will discuss what distinguishes general statistical software from software designed specifically for teaching statistics. Specific topics that I will present are

- A background on how and why Rguroo was developed
- GAISE technology selection guidelines and more
- An overview and a tour of Rguroo
- How is Rguroo different from software such as SPSS, Minitab, and alike
- Rguroo resources that can help you in teaching your statistics courses

Finally, I welcome a discussion of the topic by the participants.

Bio: Dr. Mortaza (Mori) Jamshidian is a CNSM Distinguished Professor and the Graduate Advisor for the Master of Science in Statistics in the Mathematics Department at California State University, Fullerton. He received his Ph.D. from UCLA's Mathematics Department. His area of research is broadly in computational statistics with publications in major theoretical and applied journals such as the *Journal of the American Statistical Association*, *Journal of the Royal Statistical Society*, and *Psychometrika*. He is currently an Associate Editor for the *Journal of Computational and Graphical Statistics* and, in the past, has served as Associate Editor for *The American Statistician*, *Journal of Statistical Software*, and *Journal of Statistical Computation and Simulation*. His current activities include research in statistics education and development of statistical software for teaching statistics.