The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University

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A Comparison of Statistical Models
for Longitudinal Data

September 25, 2019, MH320

Abstract: The procedural aspects of statistical modeling are often well-defined once a model type is selected, but often, researchers do not consider the impact of model type on their interpretation of the data. We will explore how model type impacts the discovery of information in a case study observing the longitudinal behavior of problem drinkers. We will explore several common model types used to evaluate longitudinal data. In addition, we will explore how model choice can impact our evaluation of model features. Specifically how we quantify the effectiveness of different interventions, such as medication and therapy, for problem drinkers.

Background: A first course in statistics.

About the speaker: Dr. Judith Canner is an Associate Professor and Statistics Program Coordinator at Cal State, Monterey Bay. Her background is in Quantitative Ecology, but she now conducts most of her research as a statistical consultant on various projects. When not in the classroom she can be found hiking, kayaking, and drinking tea.

Snacks in MH331B at 2:30 pm
Talk starts at 3:00 pm

For more information, see our full schedule at:

`http://www.timhsu.net/colloq/`