JMP SEMINAR WORKSHOP

Data Visualization, Analysis and Modeling with JMP Pro
Speakers: Kevin Potcner and Curt Hinrichs, JMP Academic Programs

Nov. 21, 12 - 1 p.m. | E134 Howell Russell

JMP is an easy-to-use, standalone statistics and graphics software from the SAS Institute. It includes comprehensive capabilities for every academic field, and its interactive point-and-click interface, linked analyses and graphics make it ideal for research and for use in the classroom, from the introductory to the advanced levels. JMP runs on Windows and Macintosh operating systems and functions as an interface to SAS®, R, Python, MATLAB and Excel. Come and see how to use JMP for data summarization, analysis, visualization, and predictive modeling. All students and faculty at LSU have access to JMP Pro through its campus license.

Agenda: Data Preparation, Visualization, Analysis and Modeling with JMP

- JMP basics: Menus, navigation, and the JMP interface. Getting data into JMP.
- Data summary and graphics: Dynamic graphing with Graph Builder, geographic mapping, filtering data, creating tabular summaries, and other visualization tools.
- Basic data analysis (univariate and multivariate): Distribution, Fit Y by X, and Fit Model.
- Analyzing unstructured text data with Text Explorer.
- Resources for learning and teaching with JMP: Learning library, case study library, webinars, books with JMP, teaching modules and simulators.
- Other topics (upon request): Quality, Reliability, DOE, Multivariate analysis, Clustering, Predictive modeling (CART, Random Forests, SVM, Naive Bayes), SEM, Time series, Functional data analysis.

Department of Experimental Statistics

LSU College of Agriculture