



Statistical Discovery.™ From SAS.



Introduction to Data Analysis and Visualization with JMP® Software from SAS

Free Campus Workshop

Date/Time: Tuesday, April 7th, 4:30pm – 6:00pm

Location: MSEE B012

JMP is an easy to use, standalone statistics and graphics software from SAS Institute. It includes comprehensive capabilities for every academic field and its point-and-click interface makes it ideal both for introductory statistics courses as well as more applied advanced courses and research needs. JMP runs on Windows and Macintosh operating systems and also functions as an easy, point-and-click interface to SAS®, R, MATLAB and Excel.

JMP is visual and interactive. It guides you through the analysis workflow using point, click, drag and drop and then it displays results as statistics and graphs in the same window. In addition to the diverse set of tools JMP provides for analysis, you can easily subset, join and manipulate data tables in numerous ways, build summary tables using drag-and-drop, and create publication quality graphics, from simple to multivariable to aid in the understanding and communication of your analyses.

Introduction to Data Analysis and Visualization with JMP– 4:30-5:20 / Q&A – 5:20-6:00

Agenda:

- JMP basics (menus, help, and navigating JMP).
- Data summary and management, Importing, querying, filtering, and tabulating data.
- Data visualization for one, two and many variables. From basic descriptive graphs to creating geographic maps and animated graphs.
- Basic data analysis for univariate, bivariate and multivariable regression. Including t-tests, pairwise comparisons, ANOVA, and simple, multiple and logistic regression, mixed models, Lasso.
- Predictive modeling and Multivariate methods. Clustering, Factor analysis, Classification and regression trees, Neural networks, model comparison
- JMP tips and tricks (saving work, sharing your work, getting data into JMP).
- Resources for learning and teaching with JMP (Academic Community, Learning library, webinars, books with JMP, teaching modules, calculators).
- New features in JMP 12
- Other topics upon request. Candidates include DOE, Quality, Reliability, Time series, Market Research, Categorical.