Industry Session

What is it like to work at JMP/SAS?
Ryan Lekivetz
JMP, a SAS company

For more than 30 years, we've been making JMP statistical discovery software tailored to the needs of scientists and engineers. John Sall, SAS co-founder and Executive Vice President, is also the creator of JMP. What started out as Sall's passion project has grown – by leaps and bounds – into a family of statistical software products that are used worldwide in nearly every industry.

We say that great software in the right hands can change the world. We say it because we've seen it. We've seen scientists and engineers use JMP to speed new drugs to market, to design better products and processes, to figure out how to restore ecosystems. You get the idea. Advancements are made when brilliant people use JMP statistical discovery software to see what they've not seen before.

You've probably used a JMP or SAS product at some point in your graduate degree. Have you ever wondered what it's like to work for SAS? I'll give you my own perspective as a statistician working at SAS and discuss the diversity of jobs in the organization for individuals with quantitative backgrounds.

Data science at State Farm
Megan Lutz
State Farm

At State Farm, we celebrated our 100th anniversary in 2022, and over that time we have seen our analytics function grow and expand. State Farm has 150 analytics professionals, including 80 data scientists. Advanced analytics supports the enterprise both in customer-facing analytics and as in-house consultants for teams as diverse as Human Resources and Claims. State Farm is the number one automobile and homeowner insurance company in the US and has been for over 60 years. We use data science, machine learning, and AI to identify new solutions and maintain our competitive advantage. Our Modeling and Analytics Graduate Network (MAGNet) programs, located in Athens, GA and Champaign, IL, are proven pipelines for developing new, full-time data scientists. We will discuss the MAGNet program and full time analytics work at State Farm during this presentation.

Natural language processing in banking
Rahul Singh
Wells Fargo N.A.

The use of Natural Language Processing (NLP) is increasingly becoming popular in banking and finance. In this presentation, I will provide an overview of research in our team, encompassing applications to text and sentiment classification, chatbots, conversational AI, , named entity recognition, and topic modeling. Another important component of our research is developing novel diagnostic techniques to assess model weakness and to provide explainability for model decisions. If time permits, other topics including model robustness, knowledge distillation, paraphrasing, model explainability will also be covered.