



The Nevada Chapter of the American Statistical Association (NV-ASA) is pleased to sponsor the following *virtual short course* July 23-24, 2021, with support from the ASA Council of Chapters:

Introduction to Data Science, Machine Learning and Deep Learning
(in R and Python)

Instructors: Dr. Hui Lin (Google) and Dr. Ming Li (Amazon)

Artificial Intelligence (AI) has manifested itself in all areas of our lives and is one of the most exciting and fast-growing fields of research and application in the world of data science. This course will provide an overview of using R and Python for some of the most popular machine learning and deep learning models in real-world data science applications in the cloud environment. The sessions will step through the basic theoretical concepts behind those models and mainly focus on applications. You will learn the motivation and use cases of these models through hands-on exercises. This short course's main topics are: big data cloud environment, tree-based models, regularization methods, feedforward neural network, convolutional neural network, and recurrent neural network.

This course is designed for audiences with a statistics education background, and it bridges the gap between traditional statisticians and data scientists. No software download or installation is needed, and everything is done through the internet browser with hands-on sessions in Databrick's cloud environment and Colab. This is a 7-hour remote course, and it will be delivered online with two 3.5-hour sessions on two consecutive days, July 23-24, 2021, 1:00-4:30PM (Pacific Time) each day. Delivery will be via Zoom; details to be provided to registrants.

To Register:

Registration is open to anyone. The instructors suggest previous bachelor's-level coursework in statistics, or similar background, would be helpful.

Register here: <https://bit.ly/NVASA-DataScience>

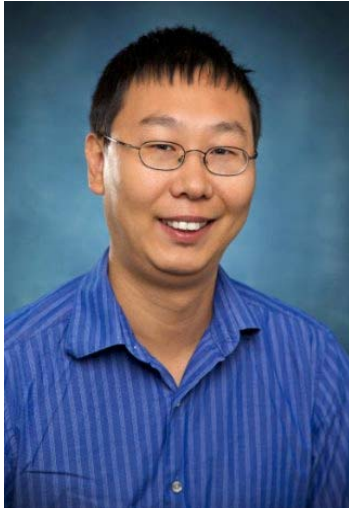
Registration deadline: July 21, 2021.

Pricing:

- Students, post-docs, and NV-ASA chapter members: \$40.00.
- All others: \$50.00.

For questions, please contact the NV-ASA President, Christopher Tong, at ctong@mailaps.org.

About the instructors:



Ming Li is currently a senior research scientist at Amazon and adjunct instructor of the University of Washington. He organized and presented the 2018 JSM Introductory Overview Lecture: Leading Data Science: Talent, Strategy, and Impact. He was the Chair of Quality & Productivity Section of ASA. With a few years' experience in data science and machine learning, he has trained and mentored numerous junior data scientists with diversified backgrounds such as statistician, software developer, database programmer, and business analyst. He is also an Instructor of Amazon's internal Machine Learning University and the recipient of Amazon's Best Science Mentor Award. He holds Ph.D. in Statistics from Iowa State University.



Hui Lin is currently a Quant Researcher at Google. Before Google, Hui held different roles in data science. She was the head of data science at Netlify, where she built and led the data science team, and a Data Scientist at DuPont, where she did a broad range of predictive analytics and market research analysis. She is the co-founder of Central Iowa R User Group, blogger of <https://scientistcafe.com/>, and 2018 Program Chair of ASA Statistics in Marketing Section. She enjoys making analytics accessible to a broad audience and teaches tutorials and workshops for data science practitioners. She holds MS and Ph.D. in statistics from Iowa State University.