

VIRTUAL WORKSHOP

Machine Learning in Action: From Concepts to Use Cases

June 18, 2025
12:00-1:00 ET (Virtual event)



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Machine learning (ML) methods are widely adopted by the academia and industry for applications in science, engineering, healthcare, and humanities. One of the greatest advantages of ML is that they are general and applicable for predictive analytics in many fields. For example, if someone learned how to apply ML methods to classify animal images, they can apply the same set of protocols in classifying birds or cars or motorboats. To apply ML for a specific problem, the practitioners don't have to go through all the complex mathematics or a lot of statistics, but they need to learn the best practices to train and validate the models.

In this workshop, after a brief overview, we will focus on doing hands-on training in applying ML models on various data types including image, text, and time series. We will work through the use cases of classification and regression problems and discuss where to apply supervised or unsupervised methods.

Prior knowledge of Python is required. Bring a laptop with a stable internet connection.

Target Audience: Researchers, faculty, postdocs, graduate students, research computing staff, IT support staff

Please join us for this informative workshop and feel free to share the event information with your networks.

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We are grateful for support from the National Science Foundation



CC* Regional Networking: Connectivity through Regional Infrastructure for Scientific Partnerships, Innovation, and Education (CRISPIE) project (NSF OAC- NSF0311528)