

Hands-on Data Science Workshop: Machine Learning with R

Date: August 3-5, 2022; Time: 2:00 PM-5:00 PM Ethiopia Time (7:00 AM-10:00 AM EST)

Underlying Theme: Development of Diagnostic Test

Topics:

- **Pattern recognition – supervised learning**
 - Development of diagnostic tests based on biomarkers
 - Classification trees, regression trees, random forests, survival trees
- **Pattern recognition – unsupervised learning & dimensionality reduction**
 - Cluster and bi-clustering methods
 - Principal components and variants
- **Machine learning tools**
 - Neural networks, support vector machines, elastic nets, deep learning

Registration:

<https://ucincinnati.zoom.us/meeting/register/tJlqcO6vrDsoE9StFhOK3E89XgE7KfN8uX6->



Instructor: Prof. M B Rao

<https://researchdirectory.uc.edu/p/raomb>



Organizer: Prof. Tesfaye Mersha
(@DrTMersha)

<https://www.cincinnatichildrens.org/bio/m/tesfaye-mersha>

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