

Workshop Topic

Machine learning using R

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Abstract:

'R' has been in top 10 programming language for quite some time now. It is one of the leading statistical environments which is open source and supported by a strong community. In this session a brief overview of 'R' with examples for each of regression. Classification and clustering is discussed.

Objective:

- Give the participants an overview of 'R'
- Give them an overview of building regression, classification and clustering models using 'R'

Details:

Topic	Duration
Introduction to Rstudio, R , History of R, Important Machine Learning Packages	30 Min
Example of regression using R (building a lm model , interpretation of the model)	30 Min
Example of classification using r (building a naive byes model , cross validation , building a decision tree model)	1 Hour
Example of clustering using R (building a k-means model, interpreting the model)	30 Min