

# **Unsupervised Learning: Clustering**

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## **ABSTRACT**

Machine Learning is a collection of techniques to automatically explore, analyze, and make predictions about often very large observational data. The simple goal is to summarize data in novel ways that are both understandable and useful. Unsupervised learning, where the data do not contain prior labels, is usually about "grouping" or clustering samples based on some calculated similarity.

Please join Dr. Daniel Fort for a discussion of clustering basic considerations, common algorithm classes, and a brief demonstration of examples in R.