

Master's in Data Science

Course

Statistical Data Analysis

Description

This course is intended to be a non-exhaustive survey of techniques to turn multivariate data into useful information so that informed decisions can be made. The perspective is twofold, theoretical and applied, covering topics such as: exploratory data analysis, multivariate statistical summaries and graphical representations, dimensionality reduction, regression techniques and time series analysis. There will be an emphasis on hands-on application of the theory and methods throughout, with extensive use of R.