



Working Group on Statistical Learning Seminar

Title: Computational Toolbox for Analysis of Metabolomics Data

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Date: Mon 23rd March 2020 at 12:00PM

Location: Seminar Room SCN 1.25

Abstract: Data from metabolomic research are usually complex and high-dimensional. A few probabilistic versions of Principal Component Analysis (PCA) were developed previously and now implemented in a package and web application which can easily be used directly by end users not just for metabolomic data but also for other similar complexity data. In this seminar, we will be going through the methods on how they address the limitation of PCA and how they offer further features such as accounting covariates, discovering clusters, and ways of dealing with longitudinal data.