

Partial least squares and metabolomics

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Metabolomics is the study of a wide set of small-molecule chemicals found in cells, biofluids and tissues. Concentrations of different metabolites usually are highly correlated. Partial least squares (PLS) is a latent variable approach that assumes the data can be well approximated by a low-dimensional subspace of the p -dimensional predictor space. In this presentation, I will talk about the application of PLS for highlighting potential predictor metabolites of type two diabetes (T2D) in a sample of Mexicans.