

OODA, Visualization & Backwards PCA

Object Oriented Data Analysis is the statistical analysis of populations of complex objects. In the special case of Functional Data Analysis, these data objects are curves, where standard Euclidean approaches, such as principal components analysis, have been very successful. In non-Euclidean analysis, the approach of Backwards PCA is seen to be quite useful for number of analytic situations, and the reason behind this is given.