

Introduction

The FactoMineR package is a package dedicated to exploratory multivariate data analysis using R. One of the main reasons for developing this package is that we felt a need for a multivariate approach closer to our practice via: * the introduction of “supplementary” information; * the use of a more geometrical point of view than the one usually adopted by most of the Anglo-American practitioners. Another reason is that obviously it represents a convenient way to implement new methodologies (or methodologies dedicated to the advanced practitioner) as the ones we’re presenting thereafter that take into account different structure on the data such as: * a partition on the variables; * a partition on the individuals; * a hierarchy structure on the variables.

You can see more information about the package with the paper published in the Journal of Statistical Software: <http://www.jstatsoft.org/article/view/v025i01/>

MOOC

You can follow freely a MOOC on these methods. You will find videos on the methods and videos on the package FactoMineR: <http://factominer.free.fr/course/MOOC.html>

Website

Lot of information are available on the Website: <http://factominer.free.fr>

You will find many tutorials and a MOOC on exploratory multivariate data analysis methods such as principal component analysis, correspondence analysis, multiple correspondence analysis and multiple factor analysis