

Correspondence Analysis with `ca`

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Overview

This tutorial illustrates the computation and visualization of correspondence analysis (CA) in **R**. The package `ca` (Nenadić & Greenacre 2007) provides a unified way of computing simple, multiple and joint correspondence analysis. The latest update of the package includes a major revision of multiple and joint CA.

The introductory part of the tutorial covers background information on the implemented approach to multiple CA. Within the second part we give a practical illustration of the implemented aspects of the package. Starting with simple CA—including supplementary points and subset analyses—and its visualization in 2D and 3D we demonstrate the application of the package with practical examples. However, the focus of the practical illustration lies in the implementation of multiple and joint CA.

References

Nenadić, O. & Greenacre, M. (2007). Correspondence Analysis in R, with two- and three-dimensional graphics: the `ca` package. *Journal of Statistical Software*, **20(3)**.
<http://www.jstatsoft.org/v20/i03/>