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"R as a link between academic and industrial worlds: how R became a must in a decade?"

R is a free software environment for statistical computing and graphics which provides a wide variety of statistical and graphical techniques: linear and nonlinear modeling, statistical tests, time series analysis, classification, clustering, etc (<http://www.r-project.org/>). It has become, within a decade, a must for those who analyze data.

The purpose of this communication is to show you how R has migrated from the academic world to the industrial world and how it has linked both of them. To do so, we will first present R throughout its history, its environment, the actors who contribute to its development directly or indirectly; then, we will present and demonstrate R through two fields of applications and two R packages, one related to science education and psychology with the FactoMineR package, the other one related to sensory analysis, with the SensoMineR package.

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