This volume contains revised versions of selected papers presented at the seventh biennial meeting of the Classification and Data Analysis Group (CLADAG) of the Italian Statistical Society, organized by the Faculty of Economics at the University of Catania in September 2009.

The conference encompassed 150 presentations organized in 3 plenary talks and 42 sessions. Moreover, one tutorial on mixture modeling took place before the meeting. With 225 attendees from 11 countries, the conference provided an attractive interdisciplinary international forum for discussion and mutual exchange of knowledge. The topics of all plenary and specialized sessions were chosen to fit the mission of CLADAG which is to promote methodological, computational and applied research within the fields of Classification, Data Analysis and Multivariate Statistics.

The chapters in this volume were selected in a second peer review process after the conference. In addition to the fundamental areas of clustering and discrimination, multidimensional data analysis and data mining, the volume contains some chapters concerning data analysis and statistical modeling in areas like evaluation, economics, finance, environmental and medical sciences, industry and services.

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