

Preface

Data analysis is a process of inspecting, cleaning, transforming, and modeling data with the goal of highlighting useful information, suggesting conclusions, and supporting decision making. Data management is the development, execution and supervision of plans, policies, programs and practices that control, protect, deliver, and enhance the value of data and information assets. Data analysis and data management both have multiple facets and approaches, encompassing diverse techniques under a variety of names, in different business, science, and social science domains. Intelligent Data Analysis and Management (IDAM) examines issues related to the research and applications of Artificial Intelligence techniques in data analysis and management across a variety of disciplines. It is an interdisciplinary research field involving academic researchers in information technologies, computer science, public policy, bioinformatics, medical informatics, and social and behavior studies, etc. The techniques studied include (but are not limited to): Data visualization, data pre-processing, data engineering, database mining techniques, tools and applications, evolutionary algorithms, machine learning, neural nets, fuzzy logic, statistical pattern recognition, knowledge filtering, and post-processing, etc.

On June 8, 2012 the IDAM was first held in College of Management, National University of Kaohsiung and the second IDAM was held on May 17, 2013. The third IDAM gathers people from previously disparate communities to provide a stimulating forum for exchange of ideas and results. We invite academic researchers (in information technologies, computer science, business and organizational studies, and social studies), as well as information technology companies, industry consultants, and practitioners in the fields involved.

The IDAM proceedings consist of 15 papers covering different aspects of Intelligent Data Analysis and Management. Authors of the papers come from many different countries such as Australia, India, Korea, Singapore, and Taiwan.

We would like to thank our authors, reviewers, and program committee for their contributions and the National University of Kaohsiung for hosting the conference.

Without their efforts, there would be no conference or proceedings.

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