



The Fourth International Symposium on Intelligent Data Analysis



Lisbon, Portugal
September 13-15, 2001
to be held at
Cultural Centre of Cascais



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IDA2001 will consist of a stimulating program of tutorials, invited talks by leading international experts in intelligent data analysis, contributed papers, poster sessions, and an exciting social program. Our aim is for IDA-2001 to bring together a wide variety of researchers concerned with extracting knowledge from data, including people from statistics, machine learning, neural networks, computer science, pattern recognition, database management, and other areas. The strategies adopted by people from these areas are often different, and a synergy results if this is recognised. IDA-2001 is intended to stimulate interaction between these different areas, so that more powerful tools emerge for extracting knowledge from data and a better understanding is developed of the process of intelligent data analysis. It is the Fourth Symposium on Intelligent Data Analysis after the successful symposia IDA-99 (Amsterdam), IDA-97 (London), and IDA-95 (Baden-Baden). The following topics are of particular interest to IDA 2001

APPLICATIONS & TOOLS: analysis of different kinds of data (e.g., censored, temporal etc.); applications (e.g., commerce, engineering, finance, legal, manufacturing, medicine, public policy, science); assistants, intelligent agents for data analysis; evaluation of IDA systems; human-computer interaction in IDA; IDA systems and tools; information extraction, information retrieval
THEORY & GENERAL PRINCIPLES: analysis of IDA algorithms; classification, projection, regression; optimization clustering; data cleaning; data preprocessing; experiment design; model specification, selection, estimation; reasoning under uncertainty; search; statistical strategy; uncertainty and noise in data

ALGORITHMS & TECHNIQUES: Bayesian inference and influence diagram; bootstrap and randomization; causal modeling; data mining; decision analysis; exploratory data analysis; automated data analysis; fuzzy, neural and evolutionary approaches; knowledge-based analysis; machine learning; statistical pattern recognition; visualization

Submission: Participants who wish to present a paper are requested to submit a manuscript, not exceeding 10 single-spaced pages. It is recommended to use Springer's LaTeX style files, which will also be used for the final version of the papers. Details about the submission format as well as LaTeX style files can be found on the IDA 2001 web page. For the review process electronic submissions in Postscript or PDF form are encouraged. Otherwise, five hard copies of the manuscripts should be submitted.

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Important Dates

April 23 Deadline for submitting papers
June 4 Notification of acceptance
July 4 Deadline for submissions of final papers

Publication: Papers which are accepted and presented at the conference will appear in the IDA 2001 proceedings, to be published in the Lecture Notes in Computer Science Series of Springer. It is also planned to have a special issue of the "Intelligent Data Analysis: An International Journal" with extended versions of a number of papers presented during the symposium.