Summer School on Intelligent Data Analysis

Fact Sheet

Project Information

Grant agreement ID: HPCF-CT-2000-00401-01

Project website ↗

Project closed

Start date	**End date**
1 March 2001	5 March 2001

Funded under
Programme for research, technological development and demonstration on "Improving the human research potential and the socio-economic knowledge base" (1998-2002)

Total cost
No data

EU contribution
No data

Coordinated by
Type of Event: Euro Summer School
🇮🇹 Italy

Objective

Over the last decade or so, the size of machine-readable data sets has increased dramatically and the problem of "data explosion" has become apparent. However, in paralell with this, recent developments in computing have provided the basic infrastructure for fast access to vast amounts of online data; at the same time many advanced computational methods for extracting information from large quantities of heterogeneous data and for data representation are beginning to mature. These developments have created a new range of problems and challenges for the

analysts, as well as new opportunities for intelligent systems in data analysis. All this has led to the emergence of the field of Intelligent data Analysis (IDA), a combination of diverse disciplines including Artificial Intelligence and Statistics in particular.

These disciplines often complement each other: many statistical methods, particularly those for large data sets; rely on computation; but brute computing power is no substitute for statistical knowledge. Although many interesting systems and applications have been developed in the field, much more needs to be done. For instance, most of the data collected so far have not been analysed yet, and there are only a few tools around which allow the effective analysis of big data. Different analysis strategies may be applied to the same problem and it is often difficult to judge which is the most appropriate; also the division of the work between the computer and the analyst most effectively is by and large still work of art. The summer school on Intelligent Data Analysis will give an overview of all different disciplines for modern data analysis and of their practical and theoretical inter-relationships.
ftp://ftp.cordis.lu/pub/improving/docs/HPCF-2000-00401-1.pdf ↗

Fields of science (EuroSciVoc) ⓘ

natural sciences > computer and information sciences > **artificial intelligence**

natural sciences > computer and information sciences > data science > **big data**

natural sciences > computer and information sciences > **computational science**

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Programme(s)

FP5-HUMAN POTENTIAL - Programme for research, technological development and demonstration on "Improving the human research potential and the socio-economic knowledge base" (1998-2002)

Topic(s)

1.4.1.-3.1S6 - Mathematical and Information Sciences

Call for proposal

Data not available

Funding Scheme

[ACM - Preparatory, accompanying and support measures](#)

Coordinator

Type of Event: Euro Summer School

EU contribution

No data

Total cost

No data

Address

This event takes place in Palermo

🇮🇹 **Italy**

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