

Call for Papers: Machine Learning journal

Special Issue on

“Data Analysis and Intelligent Optimization with Applications”

The Machine Learning journal invites submissions to a special issue on “Data Analysis and Intelligent Optimization with Applications”.

The aim of this special issue is to bring together researchers working in different areas related to analytics and/or intelligent optimization. The special issue includes both the theory and the practice of Data Analysis and Intelligent Optimization. Papers devoted to statistical as well as heuristic methods of Machine Learning are welcome. This special issue welcomes papers devoted to optimization problems in Data Analysis and Machine Learning.

A non-exhaustive list of topics of interest is given below.

Methods

- Intelligent Optimization,
- Model Selection and Model Complexity,
- Predictive Modeling and Optimization,
- Computational Complexity and Optimization,
- Pattern Recognition and Classification,
- Regression and Forecasting,
- Models of Data and Measurements,
- Feature Selection,
- Soft Computing,
- Learning Theory,
- Treatment of Imbalanced Data Sets,
- All kinds of data analysis models (e.g. Support Vector Machines, Neural Networks, Bayesian Networks, Rule Induction and Ensemble Learning).

Applications

- Business applications,
- Health care applications,
- Security related applications,
- Applications in logistics,
- Computer Vision,
- Speech Recognition,
- Information Technologies,
- Economics and Sociology,
- Finance and Risk Analysis,

- Text Mining, Web Mining, and Information Retrieval,
- Bioinformatics and Chemistry,
- Medicine and Biology,
- Earth Science.

The journal publishes carefully refereed papers that deal with all theoretical, computational, and applied aspects. Of special note, readers will find thoughtful examinations of problems arising from applications.

Important Dates

Submission deadline of full papers: December 1st, 2013. However, we encourage early submission and will start the review process as soon as we receive a manuscript.

In case of any question, please contact by e-mail one of the following guest editors:

Süreyya Ozogur-Akyüz
Department of Mathematics and Computer Science
Bahcesehir University
Istanbul, Turkey
e-mail: sureyya.akyuz@bahcesehir.edu.tr

Vadim Strijov
Computing Center of the Russian Academy of Sciences
Moscow, Russia
e-mail: strijov@ccas.ru

Gerhard-Wilhelm Weber
Institute of Applied Mathematics
Middle East Technical University
Ankara, Turkey
e-mail: gweber@metu.edu.tr

Richard Weber
Department of Industrial Engineering
Universidad de Chile
Santiago, Chile
rweber@dii.uchile.cl