



Dec 11, 2015, due to high demand!

ACM TKDD Special Issue on Due: ~~Dec 4, 2015~~



IDEA

Interactive Data Exploration and Analytics

We call for novel and high-quality papers on the topic of Interactive Data Exploration and Analytics for a special issue of ACM Transactions on Knowledge Discovery from Data (TKDD).

The special issue aims to present the state-of-the-art of data mining and machine learning techniques that allow users to interactively explore their data, receiving near-instant updates to every requested refinement. The focus is on interactivity and effective integration of techniques from data mining, visualization, and human-computer interaction.

Topics of Interest include, but are not limited to

- Interactive data mining & machine learning algorithms
- Visualizations for interactive data mining
- Demonstrations of interactive data mining
- Quick, high-level data analysis methods
- Anytime data mining algorithms
- Visual analytics of both data and models
- Methods that allow meaningful intermediate results
- Data surrogates
- Online algorithms
- Adaptive stream mining algorithms
- Theoretical/complexity analysis of instant data mining
- Learning from user input for action replication/prediction
- Active learning / mining

Submission Information

In line with the scope of ACM TKDD, we welcome papers that lay theoretical foundations, papers that provide new insights into the design and implementation of data mining tools, and those that describe user and data mining developer experiences and issues in real-world applications.

Submitted manuscripts will be reviewed following the same model and rigor as TKDD's regular track, except that the guest editors will be in charge of assigning reviewers and the decisions. Submissions will be judged primarily on originality and relevance, but effective presentation is also critical.

All submitted manuscripts must be written in English and may contain only original work that has not been published by, or currently under review at any other journal, conference, symposium, or workshop.

The only allowed exception are "major value-added extensions" of papers previously published or currently under review. A submission that is based on one or more such manuscripts should consist of at least 30% new material; the new material should contain substantial novel contributions, which are explicitly stated both in the cover letter and the Introduction of the submission.

Submissions should be prepared according to: <http://tkdd.acm.org/authors.html#ManuscriptPreparation>
And manuscripts should be submitted through Manuscript Center: <http://mc.manuscriptcentral.com/tkdd>
Select "IDEA special issue" as Manuscript Type during submission.

All papers will be peer-reviewed by at least three independent reviewers. Requests for additional information should be addressed to the guest editors at idea.tkdd@gmail.com

Important Dates

Paper submission	Fri, Dec 4, 2015
First reviews	Fri, Feb 5, 2016 (expected)
Revision submission	Fri, April 1, 2016 (expected)
Second reviews	Fri, May 13, 2016 (expected)
Camera ready	Fri, June 17, 2016 (expected)