Journal of Healthcare Informatics Research
~Special Issue Call for Papers~

Data Mining in Healthcare Informatics

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Journal of Healthcare Informatics Research invites papers for a special issue on Data Mining in Healthcare Informatics.

Vast amounts of healthcare related data are captured in the form of Electronic Health Records (EHR), health insurance claims, medical imaging databases, disease registries, spontaneous reporting sites, clinical trials, as well as user-generated contents from social media and wearable devices. As a result, data mining has become critical to the healthcare world. On one hand introduction of data mining techniques can bring many benefits, while on the other hand we are facing many new challenges that did not exist before. Those challenges can range from collecting, pre-processing or transforming the data to building, making sense of the data, evaluating or interpreting the data mining models as well as applying the solutions in practice.

This special issue will provide a forum for researchers from both academia and industry to share their latest achievements in developing data mining techniques for medicine and healthcare. Papers submitted to the special issue are solicited in all areas of healthcare informatics, including, but not limited to:

- Statistical analysis and characterization of healthcare data
- Text mining in medicine and healthcare
- Visual analysis and exploration of longitudinal clinical trial data
- Meaningful use of healthcare data for improved patient care and cost-reduction
- Data quality assessment and improvement: pre-processing, cleaning, missing data treatment etc.
- Pattern detection and hypothesis generation from observational data
- Solving privacy and security issues in data mining for medicine and healthcare
- Information fusion and knowledge transfer in healthcare
- Evolutionary and longitudinal patient and disease models
- Medical fraud detection

IMPORTANT DATES:

- Paper submission deadline: September 1, 2017
- First Decision to Authors: November 5, 2017
- Final manuscript due: January 15, 2018

PAPER SUBMISSION:

- Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.
- All papers will be reviewed following standard reviewing procedures for the Journal.
- Papers must be prepared in accordance with the Journal guidelines: http://www.springer.com/41666
- Submit manuscripts to: http://JHIR.edmgr.com

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