

CALL FOR PAPERS

ACM Journal of Data and Information Quality

Providing Research and Tools for Better Data

Editor-in-Chief:

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JDIQ is a multi-disciplinary journal that attracts papers ranging from theoretical research to algorithmic solutions, empirical research and experiential evaluations. Its mission is to publish high impact articles contributing to the field of data and information quality (IQ). IQ covers a wide range of dimensions including accuracy and completeness, provenance, lineage and trust, understandability and accessibility. Expected research contributions can range from modeling and measurement of quality, to improvement of quality with data cleansing methods, organizational management of quality and evaluations of quality in real-world problems.

Given the diversity of disciplines and author interests, we also welcome experience papers, typically submitted by a practitioner or industrial researcher who has a compelling application, interesting dataset or valuable teaching tool, to share with our readers. We are also interested in foundational and survey papers that provide a critical assessment of the state of the art on specific IQ topics while highlighting open research challenges. Finally, we accept shorter (3-4 pages) vision papers that introduce major research challenges to the JDIQ community.

A list of suggested topics is as follows:

Concepts, Methods and Tools

- Data and information quality metrics and measures
- Big data quality
- Data provenance and annotation
- Metadata quality
- Data quality frameworks and platforms
- IQ in Data Integration
- IQ in Ontology Management
- Veracity of information sources
- User-oriented IQ

Organizations and IQ

- Impact of IQ within business processes
- Business intelligence and IQ
- Corporate data governance and trust
- IQ Policies and Standards
- IQ Education and curriculum development

Measurement, Improvement, and Assurance of IQ

- Data wrangling and cleaning and pre-analytics
- Information integration and fusion
- Record linkage and entity resolution
- IQ Assessment
- Cost/benefit analysis of IQ improvement

IQ Domains and Applications

- Unstructured and semi-structured data
- Probabilistic, incomplete and uncertain data
- Web and social media data
- e-Commerce and data analytics
- Community input, Pay as You Go, and crowdsourcing
- IQ and IoT
- IQ in Clinical Research
- IQ in Economics
- IQ in Data Science



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