

Book Review

Individual and Collective Graph Mining: Principles, Algorithms and Applications

Dania Koutra and Christos Faloutsos

Synthesis Lectures on Data Mining and Knowledge Discovery

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As the graphs provide a more generic as well as a good representation of many types of data, there is a growing interest to apply it for big data analysis. Graphs tend to enhance the data mining techniques, and hence it acquired interests among data analysts. Visualizing this understanding, the authors Dania Koutra and Christos Faloutsos have brought out this work on Individual and Collective Graph Mining.

This book has seven chapters with the summary for further research and a good bibliography. In the introduction the authors have provided the overview and book content organization.

In the first part on Individual graph mining, the authors have addressed two issues. First is about the description of a large scale graph and second on what we deduce from the nodes. In the second part on collective graph mining, the authors provided a description of a large set of temporal graphs. Further they measured the similarity between graphs in which the nodes and edges are responsible. The last discussion is on how the two bipartite and unipartite graphs are aligned. The introduction also contains the various types and their definitions of graphs.

The second chapter on Summarization of Static Graphs include various descriptions relating to the graph summarization models, encoding, and vocabulary based summarization. Certain studies' results are also produced. The Inference in graph forms the third chapter and it addressed the nodes in a network and how they remain the network structure. The examples, techniques and features are more important components in this chapter.

In the second part, the chapter 4 begins with the summarization of dynamic graphs. This part is co-authored by Neil Shah. This unit begins with an excellent review and contributions of the graph summarization issues. The graph summarization is a compression problem with the Minimum Description Length. Encoding, application and results of the graph summation have followed the discussions.

The study of the difference in the graph and network connectivity is the crucial issue in the chapter on Graph Similarity. How the similarity and difference in connectivity between two graphs are studied here. The techniques to measure the similarity, the DELTACON is explained with the properties associated with such processing. The observations and sample data are also posted. In the last chapter on graph alignment the authors have posted the problems and optimization related to it. The last chapter has provided a brief indication of future possible directions for work followed by an extensive bibliography.

The work seems to be more comprehensive, simple as well as elegant. The main feature of the work is characterised by plentiful empirical data which supported the propositions presented.

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Eighth International Conference on Innovative Computing Technology
INTECH 2018
London, Uk
August 15-17, 2018

CALL FOR PAPERS

The First international conference on Innovative Computing Technology (INTECH 2011) was held at Sao Carlos in Brazil followed by the Second International Conference on Innovative Computing Technology (INTECH 2012) at Casablanca in Morocco. The INTECH 2013 and INTECH 2014 were organized at London and Luton, UK respectively. The INTECH 2015 was organized by the Atlantic Research Centre for Information and Communication Technologies of the University of Vigo, Spain. The INTECH 2016 was at Dublin, Ireland followed by the INTECH 2017 at Luton, UK. The INTECH 2018 will be held at Muscat and London, and it offers the opportunity for institutes, research centers, engineers, scientists and industrial companies to share their latest investigations, researches, developments and ideas in area of Innovative Computing Technology, which covers huge topics.

The INTECH intends to address various innovative computing techniques involving various applications. This forum will address a large number of themes and issues. The conference will feature original research and industrial papers on the theory, design and implementation of computing technologies, as well as demonstrations, tutorials, workshops and industrial presentations. This conference (INTECH 2018) will include presentations of contributed papers by invited keynote speakers.

- Conference papers will include innovative computing paradigms in the following topics:
- Network and Information Security Innovative Computing Systems and Applications in S & T domains such as –
- Algorithms Applied Information Systems
- Artificial Intelligence and Decision Support Systems
- Broadcasting Technology
- Cloud Computing
- Computational Intelligence
- Data and Network mining
- Data Stream Processing in Mobile/Sensor Networks
- Database Systems
- Digital Image/Video Processing
- E-Learning, e-Commerce, e-Business and e-Government
- Electronics Environmental modeling and precision agriculture
- Fault Classification and Pattern Recognition
- Green Computing
- Grid computing
- Human-Computer Interaction
- Intelligent Condition
- Monitoring Mobile network and systems
- Multimedia and Interactive Multimedia Payment Systems
- Peer-to-peer social networks

Precision Farming Web Farming Signal Processing Soft Computing: Fuzzy and Neural Network Systems, optimization algorithms Software Engineering Intelligent Farming: Web farming, Web irrigation Ubiquitous Computing User Interfaces,

Visualization and Modeling

Virtual Reality Visualization

Web services

WWW Applications and Technologies

XML and other Extensible Languages

The INTECH proceedings will also be indexed by dblp. All the papers will be reviewed and the accepted papers in the conference will be submitted to IEEE Xplore for indexing and will be indexed in many global databases. In addition, all the accepted papers (for Journals) will be published in the following special issues journals after substantial revision and modification.

In addition, selected papers after complete modification and revision will be published in the following special issues of journals.

Journal of Digital Information Management (JDIM) (Scopus and EI Indexed)
Technologies (ESCI- Web of Science)

IMPORTANT DATES

Submission of papers:	June 01, 2018 (for London)
Notification of Acceptance/Rejection:	July 01, 2018 (for London)
Camera Ready:	August 01, 2018 (for London)
Registration:	August 01, 2018 (for London)
Conference:	August 15-17, 2018 (for London)

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**The Ninth International Conference on the Applications of Digital Information
and Web Technologies (ICADIWT 2018)
Porto, Portugal June 25-27, 2018**

Beware of the Fake Conferences in the name of ICADIWT

The Ninth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2018) is a forum for researchers to present the intensive and innovative research, ideas, developments and applications in the areas of Computer Communications, Communication networks, Communication Software Communication Technologies and Applications, and other related themes.

This conference (ICADIWT Edition IX) will include presentations of contributed papers and state-of-the-art lectures by invited keynote speakers. Digital Technologies is embedded in the research activities of large number of people and it ensures the Ubiquitous reaching of more number of people in the recent years. Research in digital technologies has been carried out in many directions using various resources and tools and on the other side, the application issues are addressed by more volume of researchers not necessarily limited to information and computing technology. Thus the proposed conference series realize its value and potential and manifest the requirements in the form of the international conference. This edition will address the following outlined themes (but not limited to)

- Internet Communication
- Internet Technologies
- Web Applications
- Internet Software
- Data Access and Transmission
- Digital Communication Software
- Digital Networks
- Web Communication Interfaces
- Adaptive Systems
- Internet of Things
- Internet of breath
- Augmented Reality
- Databases and applications
- Web Systems Engineering Design
- Intelligent Agent systems
- Semantic Web Studies
- Adaptive Web applications and personalization
- Actuators and sensors
- Robotics and Machine Vision
- Vibration and noise control
- Smart cities and structures Control
- Automation

- Human-machine interfaces
- Real-time simulation
- Digital Technologies for Mechanical and other designs

Publication and Indexing

The accepted full papers will be published in the IOS series (Frontiers in Artificial Intelligence and Applications (FAIA)) and submitted for inclusion in many indexes. Accepted full papers will be submitted for indexing to multiple abstract and indexing partners. The papers will be indexed in many databases as given at <http://www.frontiersinai.com/?q=indexing>

The accepted papers will be published as a post-conference publication. During the conference, the pre-conference volume will be distributed.

Important Dates

Submission of papers	April 01, 2018
Notification	May 10, 2018
Camera ready	June 10, 2018
Registration	June 15, 2018
Conference Dates	June 25-27, 2018

Program Committees

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One Day Training Workshop on ‘Latex Document Creation System

LaTeX is a markup language to prepare documents. It is an open source package which allows to create documents and is more suitable for equations, statistics and mathematics content. When you prepare a document using a defined template, you will get the pdf output of your documents. Using the Latex platform you can create your template or follow the already existing template and prepare the documents. Latex will provide you a perfect text with equations. The out put pdf file created using latex is characterized less file size and high clarity in the content which ensures easy readability.

- The LaTeX's will allow to generate professionally and template designed texts
- You can install LaTeX; download, set up, and use to produce documents
- Typesetting is easy when you used it for scientific and mathematical notations
- You can include figures and tables in the text
- Generate high clarity and less size files in pdf format

Who can participate?

Researchers, Phd students and faculty members who need to write papers can attend it.

Requirements

When you come to the training program you can bring a laptop. We will assist you to download the package and install it.

Course feedback and follow-up

Once you complete the training you start to work and you can interact with us when you have questions.

Venue: Seminar Hall, Bangkok, Thailand

Date: February 20, 2018

Time: 10AM – 5 PM

Location/Venue

The Connecion
469 Ratchadaphisek Rd. Jomphon, Jatujak
Bangkok 10900
www.okseminar.com

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E-Mail: yokehat@gmail.com

Registration Fees : 2000 Bhats

Duration: One day

Registration Fees can be paid at the Location /Training program

REGISTER AT - <http://dirf.org/register.php>

CALL FOR PARTICIPATION

Training Workshop on “How to write High-Level Scientific Papers?”

<http://dirf.org/training.html>

About the workshop:

Now universities and research organizations talk much about the quality in research. The concepts such as ‘reviewed research’ and ‘reviewed publications’ are gaining momentum, currently. The reviewed and indexed research pieces only qualify for the rating of the universities.

The performance and standing of universities are measured in terms of reviewed and indexed research papers in global databases. Thus, it is essential to bring a large number of ‘reviewed’ research papers from Indian universities. The quality publication output is required not just only to keep a good ranking, but to ensure a high level scholarly environment in the country. Publications reflect the character of the innovative research and it is used as a yardstick to measure the research contributions and research impact of individuals, institutions or nations. The impact of research publications is practically used by agencies and institutions in deciding funding, tenures, promotion and other related activities.

Publications are practically used as the indicator to measure the quantum of research output. The publications indexed in the databases such as Scopus and ISI Thompson only are considered as publications in the global level. A large number of Indian papers are not accepted in ranked journals as many researchers do not gain an understanding of producing better content. Publishing the papers in peer-reviewed and internationally indexed journals is increasingly important, which will increase the researchers’ index and wide acceptance and academic profiling. This is also very important for the ranking of the institutions. There is a need to understand the following processes.

- The ways of producing good research and writing eminent papers
- Gain exposure for creating new approaches and solve research problems
- Understanding the components of a good paper
- The characteristics of a good scientific reporting
- The approaches to learning good model
- The content of a good research, good review and revision

Questions to be addressed in the workshop

These issues can be explained to Indian academic researchers particularly the young ones. Focusing the researchers on such issues will be possible by orienting them in training sessions. A training workshop can be a mode to carry out this plan. The following themes will be more purposeful.

- How to produce qualitative research publication?
- How to reflect the research carried out through the publication?
- What are the measures for research impact?
- What is the best way to disseminate research?
- How to structure the research publication?
- How to assess the reviewed publication?
- What is indexed research?
- How to integrate the research in the process of global review and indexing?

- How to increase the research publication quality and record high research productivity?
- How to improve English language presentation and proof read the language without language experts?
- How to find collaborators and form collaborative network in research?
- How to get good number of citations for your published papers?

The above issues are just a few examples of the issues focused to the researchers. Young researchers need to be motivated to generate high quality research. They need to be focused on the global reviewed and indexed research.

Content

The program will also address the issues such as Information access pattern, Research collaboration, strategies for generating good pieces of research and improving research quality.

Benefits

This program will enable the researchers to understand the research publication process and to participate in the global research network. The program will discuss the ways to optimize the research publication activities and the structure of research publications, review and indexing process, methods of generating good publications, demonstration of global indexing databases, research networks and other citation and evaluation metrics. The program will have presentations, illustrations and discussions. The program will also have an exclusive session with interaction and discussions on ‘academic profiling with research publications and citation metrics’.

The program will have presentation on case studies and illustrations in various subjects and domains. The participants can send draft papers and the papers will be discussed for a good writing.

Training Session Faculty

The proposed workshop will be addressed by eminent and experienced international researchers and information scientists.

Who can participate?

The proposed training session is mainly for young researchers, academicians & scientists from Colleges, Universities, Research Laboratories and Scientific Agencies. Interested administrators and librarians can also participate.

Contact details

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Registration Fees : 5000 Bhats

Duration: Two days

Registration Fees can be paid at the Location /Training program

REGISTER AT: <http://dirf.org/register.php>

Venue: Seminar Hall, Bangkok,
Thailand

Date: 20 and 21 January 2017

Time: 10AM – 5 PM

Location/Venue

The Connecion
469 Ratchadaphisek Rd. Jomphon,
Jatujak
Bangkok 10900
www.okseminar.com