

YOO KYUNG JEONG

SSK Postdoctoral Research Fellow, Yonsei University

Department Library and Information Science, Yonsei University

Address: Widang hall #428, 50 Yonsei-ro, Yonsei University, Seodaemun-gu, Seoul, Korea

E-mail: [yk.jeong AT yonsei.ac.kr](mailto:yk.jeong@yonsei.ac.kr)

Homepage: http://informatics.yonsei.ac.kr/tsmm/yk_jeong.html

RESEARCH INTERESTS

Text Mining, Network Analysis, Social Media Analysis, Web Mining, Information Diffusion, Bibliometrics, Scholarly Communication, Health informatics, Bioinformatics

- Identifying latent structure of research disciplines by applying content analysis and text mining.
- Detecting and classifying factors that affect the behavior of users and opinion spreading in online discussion communities.

EDUCATION

Ph. D., Department of Library and Information Science, Yonsei University

September 2013 – August 2017

Dissertation Title: A data-driven analysis of antisocial comments in online news communities

Relevant courses: Text data processing and management, Biomedical literature mining, Information visualization, Introduction to health informatics, Studies in information user, Seminar in information engineering, Multivariate statistics in library and information science, Knowledge communication, Study of web and social media mining

Visiting doctoral student, Indiana University, United State

February 2016 - July 2016

M.A., Department of Library and Information Science, Yonsei University

March 2011 - August 2013

Thesis Title: An author co-citation analysis based on text mining of information science

Relevant courses: Seminar in text mining, Informetrics, Research in social network, Seminar in information services, Current trends and issues in information retrieval, Research methods in library and information science, Digital preservation, User education, Special classification

B.S., Department of Applied Statistics, Yonsei University

B.A., Department of Library and Information Science, Yonsei University

March 2005 - February 2011

PUBLICATIONS

Journal Papers

- 2016** [J.7] Kim, H. J., **Jeong, Y. K.**, Song, M. (2016). Content- and proximity-based author co-citation analysis using citation sentences. *Journal of Informetrics*, 10(4), 954-966. (SSCI, IF: 2.373)
- [J.6] **Jeong, Y. K.**, Heo, G. E., Kang, K. Y., Yoon, D. S., & Song, M. (2016). Trajectory analysis of drug-research trends in pancreatic cancer on PubMed and ClinicalTrials.gov. *Journal of Informetrics*, 10(1), 273-285. (SSCI, IF: 2.373)
- 2015** [J.5] Kim, H. J., **Jeong, Y. K.**, Kim, Y., Kang, K. Y. & Song, M. (2015). Topic-based Content and Sentiment Analysis of Ebola Virus on Twitter and in the News. *Journal of Information Science*, 42(6), 763-781. (SSCI, IF: 1.158)
- [J.4] Song, M., **Jeong, Y. K.**, & Kim, H. J. (2015). Identifying the topology of the K-pop video community on YouTube: A combined co-comment analysis approach, *Journal of the Association for Information Science and Technology*. 66(12), 2580-2595. (SSCI, IF: 1.846)
- 2014** [J.3] Kim, M. C., **Jeong, Y. K.**, & Song, M. (2014). Investigating the integrated landscape of the intellectual topology of bioinformatics. *Scientometrics*, 101(1), 309-335. (SSCI, IF: 2.274)
- [J.2] Song, M., Kim, M. C., & **Jeong, Y. K.** (2014). Analyzing the Political Landscape of 2012 Korean Presidential Election in Twitter. *Intelligent Systems, IEEE*, 29(2), 18-26. (SCI, IF: 1.920)
- [J.1] **Jeong, Y. K.**, Song, M., & Ding, Y. (2014). Content-based author co-citation analysis. *Journal of Informetrics*, 8(1), 197-211. (SSCI, Impact Factor: 3.580) **Journal of Informetrics' top 5 downloaded articles**

Korean Journal Papers

- 2017** [K.2] Jin, K. S., Kim, S. Y., **Jeong, Y. K.**, Song, H. J., & Song, M. (2017). Attitudes towards sexual comments in group texting. *The Korean Journal of Woman Psychology*, 22(2), 289-313. (KRI)
- 2013** [K.1] Jin, S. A., Heo, G. E., **Jeong, Y. K.**, & Song, M. (2013). Topic-Network based topic shift detection on Twitter. *Journal of the Korean Society for Information Management*, 30(1), 285-302. (KRI)

Conference Papers

- 2017** [C.6] **Jeong, Y. K.** (2017). An exploration of the collaborative topic analysis adopting a spatial scientometric approach in Korean LIS researches. In *Proceedings of the Korean Society for Information Management Conference 2017*.
- [C.5] Kim, H. J. & **Jeong, Y. K.** (2017). Learning-based Automatic Keyphrase Indexing from Korean Scientific LIS Articles. In *Proceedings of the Korean Society for Information Management Conference 2017*.
- 2016** [C.4] Kim, H. J., An, J., **Jeong, Y. K.**, & Song, M. (2016). Exploring the Leading Authors and Journals in Major Topics by Citation Sentences and Topic Modeling. In *BIRNDL@ JCDL* (pp. 42-50).

- [C.3] **Jeong, Y. K.** & Song, M. (2016). Applying content-based similarity measure to author co-citation analysis. In *Proceedings of iConference 2016*. (Acceptance Rate: 30%)
- 2015** [C.2] Kim, S. Y., **Jeong, Y. K.** & Song, M. (2015). An Experimental Study on Construction of a Sentiment Dictionary for Sentiment Classification of Korean Texts. In *Proceedings of the Korean Library and Information Science Society Conference*. (pp. 143-150) **Best Paper Awards**
- 2012** [C.1] **Jeong, Y. K.** (2012). A study of citation analysis and journal indicators for journal evaluation. In *Proceedings of the 8th International Conference on Webometrics, Informetrics and Scientometrics & 13th COLLNET Meeting 2012*. (pp. 340-347).

Posters

- 2015** [P.3] **Jeong, Y. K.**, Heo, G. E., Kang, K. Y., Yoon, D. S., & Song, M. (2015, October). Analyzing the Landscape of Anti-Cancer Drug Research in Pancreatic Cancer. In *Proceedings of the ACM Ninth International Workshop on Data and Text Mining in Biomedical Informatics* (pp. 24-24). ACM.
- 2014** [P.2] **Jeong, Y. K.**, Lee, D. H., Han, N.-G., Kim, W. C. & Song, M. (2014). Biomedical Named Entity Recognition based on the Combination of Regional and Global Text Features. In *Proceedings of the ACM 8th International Workshop on Data and Text Mining in Bioinformatics (DTMBIO@CIKM 2014)* (p.33)
- [P.1] **Jeong, Y. K.**, Lee, D. H., & Song, M. (2014). An Exploration of the Collaborative Networks for Clinical and Academic Domains in AIDS Research: A Spatial Scientometric Approach. *Proceedings of the ACM 8th International Workshop on Data and Text Mining in Bioinformatics (DTMBIO@CIKM 2014)* (p.5)

Workshop

- 2017** [W.3] Workshop on Information Retrieval and Big Data Analytics (Feb. 17. 2017)
Title: *An exploratory study of user commenting behavior in online news communities*
- 2014** [W.2] Workshop on Social Media and Bio Text Analytics (Dec. 12. 2014)
Title: *A Landscape of Cancer Drug-Chemical Family Evolution in Pancreatic Cancer*
- [W.1] 2014 Data Science Workshop & Asia-Pacific iSchool Conference (Dec. 4. 2014)
Title: *Identifying the Topology of the K-pop Video Community on YouTube: A Combined Co-comment Analysis Approach*

AWARDS

- [A.3] Graduate school of Yonsei University Best Paper Award with the paper titled “*Trajectory analysis of drug-research trends in pancreatic cancer on PubMed and ClinicalTrials.gov*” (Nov. 23. 2016)
- [A.2] **Minister’s Citation for 2014 BK21+ Best Students** (Feb. 12. 2015)
- [A.1] Graduate School of Yonsei University Best Paper Award with the paper titled “*Content based author co-citation analysis*” (Nov. 27. 2014)

SKILLS

- Experienced in UNIX/LINUX environments as well as in IBM compatible PCs
- Experienced in programming languages: Java, R, PYTHON, PostgreSQL, XML, XHTML
- Experienced in statistical tools: SAS, SPSS
- Experienced in visualization tools: Gephi, Pajek, NetMiner, UCINET, VOSViewer
- Experienced in databases: MySQL, Oracle (OCF 10g), SQLite, Neo4J

TEACHING EXPERIENCE

Graduate School of Education at Yonsei University

SLI6569 **Information Media** (Spring 2018)

Department of Library & Information Science at Yonsei University

LIS4703 **Special Problems in Computing** (Fall 2017)

LIS3813 **Introduction of Text Processing** (Spring 2017, 2018)

Division of Knowledge & Information at Hansung University

LIS0030 **Information Retrieval** (Fall 2016)

SERVICES

Journal Article Reviewing

- *Journal of Informatics* (ISSN: 1751-1577)
- *Computer Communications* (ISSN: 0140-3664)
- *iMedPub Journals*
- *Data* (MDPI) (ISSN: 2306-5729)

RESEARCH EXPERIENCES

Research Projects

Periods	Project	Funding Institution	PI
Sep. 1. 2015 ~ Present	Building Community Cohesion through Enhancing Citizenship Behaviors <i>Role: analyzed social big data, collected social media data,</i>	National Research Foundation of Korea	Min Song (Yonsei Univ.)
Nov. 1. 2013 ~ Aug. 31. 2015	Multi-facet Text-mining System Development for MCMT Analysis <i>Role: managed entire project, developed NER system</i>	Bio-Synergy Research Center	Min Song (Yonsei Univ.)
Sep. 1. 2013 ~ Aug. 31. 2015	Big Data-based Future Model of Knowledge Service <i>Role: constructed big data analytics models, implemented models to Twitter and YouTube data, analyzed the datasets</i>	National Research Foundation of Korea	Min Song (Yonsei Univ.)
May. 16. 2012 ~ Sep. 14. 2012	Long-term Management Strategies for Repository of National Assembly Library of Korea <i>Role: performed analysis of the repository drawings, constructed the prediction model of repository stocktaking</i>	The National Assembly Library of the Republic of Korea	Jee Yeon Lee (Yonsei Univ.)
Aug. 10. 2011 ~ Dec. 27. 2011	Production for public library manual <i>Role: performed analysis the standard manuals, developed the customer service manual</i>	Seoul Metropolitan Government	Jee Yeon Lee (Yonsei Univ.)

Job Experience

Periods	Institution	Role
July. 28. 2014 ~ Dec. 31. 2014	Ocean Science Library (Korea Institute of Ocean Science & Technology)	Visiting Researcher