Hyung Wook Choi

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RESEARCH INTEREST

Data Visualization

- Data-driven Network Analysis, Data Analytic, Metrics in Open Science Environment

Human Computer Interaction

- Designing Customized Information Retrieval System, Visualization of Data-driven Network, Using Technology to Support People's Everyday Life

SKILLS

Programming Skill

- Python
  - Certified by Coursera course Python for Everybody Specialization provided by University of Michigan
- Web Development Language
  - HTML, CSS, Javascript

Visualization Program

- NodeXL
  - Visualization of co-author and keyword network

EDUCATION

Drexel University, PA, USA

- M.S. in Data Science — Sep 2019 – Jun 2021
  - Web Systems Architecture
  - Software Development
  - Database Management Systems
  - Human-Computer Interaction

Ewha Womans University, Seoul, Republic of Korea

- M.A. in Library and Information Science — Sep 2015 – Aug 2017
  - Dissertation: An Investigation on Data-Driven Sociology
  - Adviser: Dr. EunKyung Chung
  - Focus: Data Citation Index, Data Visualization, Network Analysis, Scholarly Network

- B.S. in Library and Information Science — Mar 2011 – Aug 2015
  - Acquisition of certification for 2nd Formal Librarian
- B.S. in International Office Administration
  - Double Major

IESEG School of Management, Paris-La Défense, France

- International Summer Academy — Jul 2012 – Aug 2012
  - International Human Resources Management
  - International Business Law
  - Market Research Survey

PUBLICATIONS

JOURNALS

[1] Couri VanDam, Bum Chul Kwon, Stephanie Chiuve, Hyung Wook Choi, Paul Entler, Shelia Cotton, Pang-Ning Tan, Jina Huh-Yoo, "Improving Heart Disease Risk Through Quality-Focused Diet Logging: Pre-post Study of a Diet Quality Tracking App," *bioRxiv*. Jan 2020

[2] [In Process] Ye-Jin Choi, Hyung Wook Choi, Soon Kim, "Compliance of "Principles of transparency and best practice in scholarly publishing" in Korean academic society published journals," *Science Editing*.

[3] Hyung Wook Choi, Ye-Jin Choi, Soon Kim, "Compliance of "Principles of transparency and best practice in scholarly publishing" in academic society published journals," *Science Editing*, 6(2), 112-121, Aug 2019. [SCOPUS]

[4] Hyung Wook Choi, Ye Jin Choi, and Soon Kim, "Network analysis of scientific collaboration in North Korea," *Science Editing*, 6(1), 25-34, Feb 2019. [SCOPUS]

[5] Soon Kim, Hyung Wook Choi, "Status of digital standards, licensing types, and archiving policies in Asian open access journals registered in Directory of Open Access Journals," *Science Editing*, 6(1), 41-46, Feb 2019. [SCOPUS]

[6] Soon Kim, Hyung Wook Choi, Nayon Kim, EunKyung Chung, and Jae Yun Lee, "Comparative analysis of manuscript management systems for scholarly publishing," *Science Editing*, 5(2), 124-134, Aug 2018. [SCOPUS]

[7] Hyung Wook Choi, Ye-Jin Choi, and So-Yeon Nam, "Time Series Analysis of Intellectual Structure and Research Trend Changes in the Field of Library and Information Science: 2003 to 2017," *Journal of the Korean Society for Information Management*, 35(2), 89-114, Jun 2018. [KCI, Accredited by National Research Foundation of Korea]

[8] Hyung Wook Choi, EunKyung Chung, "An Investigation on Characteristics and Intellectual Structure of Sociology by Analyzing Cited Data," *Journal of the Korean Society for Information Management*, 34(3), 109-124, Sep 2017. [KCI, Accredited by National Research Foundation of Korea]

CONFERENCES

[1] Hyung Wook Choi, "An Analysis of Characteristics of Interdisciplinary Journals by Examining Co-Author Network," in *Proceedings of the 23th Conference of Korean Society for Information Management*, pp. 23 27. Aug 2016.

POSTER

[1] Hyung Wook Choi, "A Case Study on the Public Big Data Production and Distribution Status in the US," *Proceedings of the 24th Conference of Korean Society for Information Management*, Aug 2017.

[2] Hyung Wook Choi, "A Study on the Characteristics of Sociology Using Data Citation Index," *Workshop on Network Big Data Analysis for Information Management*, Feb 2017.

RESEARCH EXPERIENCE

Metrics Development for Research Data Use

- Research Assistant, Ewha Womans University   May 2018 – Oct 2018
  - Supervisor: Prof. EunKyung Chung
  - Funding Institution: Korea Institute of Science and Technology Information (KISTI)
  - Complete enumeration research on data citation standard and examples
  - Participated on developing a new metrics to include citation and usage of shared research data
  - Collected and analyzed the status of research data usage from discrete journals

An Approach on Promoting Big Data Uses with National Library of Korea

- Research Assistant, Ewha Womans University   Jun 2017 – Sep 2017
  - Supervisor: Prof. EunKyung Chung
  - Funding Institution: Korea Institute of Science and Technology Information (KISTI) & ARGONET Co.
  - Conducted comprehensive analysis on distribution and utilization status of public open data in Europe and Singapore
  - Assisted on deriving the role of the National Library to facilitate the use of Big Data

Development of Global Scholarly Communication Platform and Online Journal Publishing System

- Research Assistant, Ewha Womans University   Jun 2017 – Sep 2017
  - Supervisor: Prof. Jae-Yun Lee & Prof. EunKyung Chung
  - Funding Institution: National Research Foundation of Korea
  - Researched current status of online journal publishing platforms to suggest a paragon for Korean companies
  - Conducted comprehensive analysis on platforms of Elsevier, Editorial Manager, and ScholarOne

Public Library Specialization Service Plan through Library Big Data Analysis

- Research Assistant, Ewha Womans University   Jun 2016 – Sep 2016
  - Supervisor: Prof. EunKyung Chung
  - Funding Institution: Korea Institute of Science and Technology Information
  - Collected book checking out data from public library in Seoul
  - Analyzed on user group data, user book checking out pattern, and specialization service proposal by region

AWARDS & SCHOLARSHIPS

- Research Assistant Scholarship   Sep 2016 – Dec 2016
  For assisting Prof. EunKyung Chung for class and project research

- Koo Ja-Young Scholarship   Mar 2016 – Aug 2016
  For assisting the department by managing the budget

■ Department Assistant Scholarship		Sep 2015 – Dec 2015
For assisting the department comprehensively		
■ Social Science Scholarship		Mar 2013 – Aug 2013
For serving as an Student IT Assistant		
■ Ewha Serving-Truth Scholarship		Sep 2012 – Dec 2012
For serving as an Ewha Weekly Newspaper Senior Journalist		
■ Ewha Serving-Goodness Scholarship		Mar 2012 – Aug 2012
For serving as an Ewha Weekly Newspaper Junior Journalist		

PROFESSIONAL AFFILIATIONS & ACTIVITIES

National Library for Children and Young Library Internship,
Seoul, Republic of Korea

- ■ Department of Information Service — Jul 2014 – Aug 2014
  - Assisted on library program planning and operating
  - Conducted research on information service planning

Korea Institute of Science and Technology Information (KISTI) Internship,
Daejeon, Republic of Korea

- ■ Department of Computer Intelligence Research — Dec 2013 – Feb 2014
  - Conducted research on Linked Open Data (LOD) and the platform
  - Conducted research on usage of LOD in overseas and analyzed the characteristics of the system

CAMPUS ACTIVITIES

Ewha Writing-Intensive School, Ewha Womans University

- ■ Completed the 4 week Ewha Writing-Intensive School — Jun 2015 – Jul 2015
  - Wrote an academic paper under the supervision by Prof. Hodges

Ewha Creative Academy, Ewha Womans University

- ■ Completed 'English for Business Interaction' course — Mar 2014 – Jun 2014
  - Took the course for academic and business purpose English

Ewha Weekly Newspaper, Ewha Womans University

- ■ Senior Journalist — Sep 2011 – Aug 2013
  - Mainly worked as photojournalist
  - Also contributed articles and editorial cartoons
  - Supervised junior and intern reporters in the photography division
  - Supervised the editing process of the newspaper overall

LANGUAGES

- ■ Korean: Native language
- ■ English: Fluent (speaking, reading, writing, listening)
  - GRE: V 157, Q 164, W 3.5
  - TOEFL: R 28, L 29, S 22, W 24
- ■ French: Basic & Learning
  - DELF A1