

JE HOON CHAE

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EDUCATION

Yonsei University, Seoul

Sep 2017 – Feb 2020

M.S., Media Communication

- Dissertation: The Effect of Fact-check News and Perceived Media Bias
- Committee: Sang Yup Lee (Chair), Joohan Kim, Kyungmo Kim
- Award:
 - Distinguished Dissertation Research Award (Yonsei University)
 - The Best Graduate Student Paper (Korean Communication Association)

Yonsei University, Seoul

Mar 2012 – Aug 2017

B.A., Theology & Communication

RESEARCH INTEREST

Political communication

Political psychology

Misinformation

Computational social science

Unstructured data analysis (text, image, audio)

Causal inference

PEER-REVIEWED ACADEMIC CONFERENCE

- [5] Min, S., **Chae, J. H.**, & Han, S., "Event Segmentation in Memory for Real-world Social Events", *Annual Conference of the Korean Society for Cognitive & Biological Psychology*, Virtual Conference, Aug 2020.
• Distinguished Graduate Student Research Award
- [4] **Chae, J. H.**, & Lee, S. Y., "The Persuasion Effect of Fact-checking News and Perceived Media Bias", *Annual Conference of the Korean Communication Association*, Dae-gu, Republic of Korea, Jul 2020.
• **The Best Graduate Student Paper Award (1st)**
- [3] Min, S., **Chae, J. H.**, Lee, J. H., & Lee, S. Y., "Image as Data: How Instagram Photos Reveal Individual's Characteristics and Personality", *Annual Conference of the Korean Psychology Association*, Virtual Conference, Jul 2020.
- [2] **Chae, J. H.**, & Lee, S. Y., "How News Media Covered #MeToo Movement: Application of Structural Topic Modeling and Word Embedding", *10th Honours Symposium for Asian Ph.D. Students in Communication Research*, Seoul, Republic of Korea, Oct 2019.
- [1] **Chae, J. H.**, & Lee, S. Y., "News Framing of Refugee Issue in South Korea: Application of Topic Model", *5th International Conference on Computational Social Science (IC²S²)*, Amsterdam, Netherlands, Jul 2019.

AWARD

The Best Graduate Student Paper Award (1st, \$1,000)

2020

21th Korean National Conference for Communication Graduate Students

Distinguished Dissertation Award

2020

Yonsei University

TEACHING EXPERIENCE

Text Analysis with Python	Jan, 2020 – Mar, 2020
Lecturer (Taught machine learning based text analysis methods) Department of Physical Education, Yonsei University	
Communication Text Mining (COM4206)	Fall, 2019
Teaching Assistant (Instructor: Sang Yup Lee, Ph.D.) Department of Communication, Yonsei University	
Public Relations (COM3128)	Spring, 2019
Teaching Assistant (Instructor: Jungho Han, Ph.D.) Department of Communication, Yonsei University	
Theories of Advanced Public Relation (COM3144)	Fall, 2017
Teaching Assistant (Instructor: Jungho Han, Ph.D.) Department of Communication, Yonsei University	

GRANT

Brain Korea 21+	2017 – 2020
Research Assistant Team: Creative Applications of Communication Technologies and Social Integration (PI: Dr. Yong-Chan Kim)	
ICONS (Institute of Convergence Science)	2018 – 2019
Co-investigator (\$3,000) Team: ENCOMPASS (Exploration of the Neuro-COMputational, Psychological, And Social Systems)	

SKILL

Text analysis	Topic modeling, Sentiment analysis, Word embedding, stm (R), quanteda (R), spacy (Python), gensim (Python)
Web scraping	BeautifulSoup (Python), Scrappy (Python)
Machine learning	scikit-learn (Python)
Deep learning	Pytorch (Python)
Network analysis	ergm (R), igraph (R), NetworkX (Python)
Advanced Regression	Multilevel/hierarchical models, lme4 (R), Regression Discontinuity Design
Bayesian modeling	Stan
Programming language	Python, R, Java, JavaScript, HTML
Statistical tools	R, Jamovi, JASP, SPSS
Etc	L ^A T _E X, Git