

# JE HOON CHAE

Graduate Student, Department of Communication, Yonsei University

50, Yonsei-ro, Seodaemun-gu, Seoul, Republic of Korea

✉ [chaejehoon@yonsei.ac.kr](mailto:chaejehoon@yonsei.ac.kr) | 🏠 [jehoonchae.github.io](https://github.com/jehoonchae) | 🐦 [JehoonC](#) | Updated: November 20, 2020

## 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.  
• **First Prize, The Best Graduate Student Paper**
- [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", *10<sup>th</sup> 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", *5<sup>th</sup> International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>)*, Amsterdam, Netherlands, Jul 2019.

## AWARD

---

### First Prize, The Best Graduate Student Paper (\$1,000)

2020

21<sup>th</sup> 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)

## WORKING EXPERIENCE

### National Assembly

2014

Aide for Member of the National Assembly

Internship of New Media Communication (National Assembly Member, Hak-Jae Lee)

## SKILL

### Text analysis

Topic modeling, Sentiment analysis, Word embedding, stm (R), quanteda (R), spacy (Python), gensim (Python)

### Web scraping

BeautifulSoup (Python), Scrapy (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

LaTeX, Git