

JE HOON CHAE

RESEARCH INTERESTS **Political Communication:** Polarization, misinformation, political rhetoric, and news framing
Quantitative and Computational Methods: Applying computational methods to causal inference, automated text analysis, and online experiment

EDUCATION **Yonsei University, Department of Communication** *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
Awards:
- Distinguished Dissertation Research Award (Yonsei University)
- First Prize, The Best Graduate Student Paper (Korean Communication Association)
Yonsei University, Department of Communication *Mar 2012 – Aug 2017*
B.A. Communication

PUBLICATIONS *Works in progress*
[3] Chae, J. H., Song, H., & Lee, S. Y. (in progress). [Perceiving Fact-Checks as Biased but Nevertheless Persuaded? Effects of Fact-Checking News Delivered by Partisan Media.](#)
[2] Min, S., Chae, J. H., Lee, J., & Lee, S. Y. (in progress). [Image as data: How Instagram photos reveal individual's characteristics and personality.](#)
[1] Min, S., Chae, J. H., & Han, S. (in progress). [Event Segmentation in Memory for Real-World Social Events: A case study on COVID-19.](#)

CONFERENCE PRESENTATIONS [9] Chae, J. H., Song, H., & Lee, S. Y. (2021, October). "Perceiving Fact-Checks as Biased but Nevertheless Persuaded? Effects of Fact-Checking News Delivered by Partisan Media," *117th Annual Meeting of American Political Science Association (APSA)*, Virtual Conference.
[8] Chae, J. H., Song, H., & Lee, S. Y. (2021, August). "Perceiving Fact-Checks as Biased but Nevertheless Persuaded? Effects of Fact-Checking News Delivered by Partisan Media," *116th Annual Meeting of American Sociological Association (ASA)*, Virtual Conference.
[7] Chae, J. H., Song, H., & Lee, S. Y. (2021, May). "Perceiving Fact-Checks as Biased but Nevertheless Persuaded? Effects of Fact-Checking News Delivered by Partisan Media," *71th Annual Conference of International Communication Association (ICA)*, Virtual Conference.
[6] Min, S., Chae, J. H., & Han, S. (2020, August). "Event Segmentation in Memory for Real-world Social Events," *Annual Conference of the Korean Society for Cognitive & Biological Psychology*, Virtual Conference.
· Selected for The Best Presentation Award

- [5] Chae, J. H., & Lee, S. Y. (2020, July). "The Persuasion Effect of Fact-Checking News and Perceived Media Bias," *Annual Conference of the Korean Communication Association*, Dae-gu, Republic of Korea.

· Selected for The Best Graduate Student Paper (First Prize) [[Link \(Korean\)](#)]

- [4] Min, S., Chae, J. H., Lee, J. H., & Lee, S. Y. (2020, July). "Image as Data: How Instagram Photos Reveal Individual's Characteristics and Personality," *Annual Conference of the Korean Psychology Association*, Virtual Conference.
- [3] Chae, J. H. (2019, October). "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.
- [2] Chae, J. H., & Lee, S. Y. (2019, July). "News Framing of Refugee Issue in South Korea: Application of Topic Model," *5th International Conference on Computational Social Science (IC²S²)*, Amsterdam, Netherlands.
- [1] Min, S., Chae, J. H., Lee, J., Park, J., & Kim, H. (2019, March). "Exploration of the Relationship Between Individual Psychological Traits and Behavioral Patterns on Social Media," *Yonsei Institute of Convergence Science Conference*, Seoul, Republic of Korea.

AWARDS & HONORS	First Prize, The Best Graduate Student Paper, Korean Communication Association	2020
	Distinguished Dissertation Award, Yonsei University	2020
	Academic Achievement Excellence Award, Yonsei University	2015
SCHOLARSHIPS	Brain Korea 21+ Scholarship, National Research Foundation (NRF)	2017 – 2020
	Teaching Assistant Scholarship, Yonsei University	2019 – 2020
	Research Assistant Scholarship, Yonsei University	2017 – 2018
GRANTS	Brain Korea 21+, National Research Foundation (NRF)	2017 – 2020
	Research assistant (PI: Yong-Chan Kim)	
	<i>Creative Applications of Communication Technologies and Social Integration</i>	
	Institute of Convergence Science (ICONS), Yonsei University	2018 – 2019
TEACHING EXPERIENCES	Co-investigator (\$3,000)	
	<i>Exploration of the Neuro-Computational, Psychological, and Social Systems (ENCOMPASS)</i>	
	Invited lecturer, Text Mining with Python	Jan 2020 – Mar 2020
	Graduate, Department of Physical Education, Yonsei University	
TEACHING EXPERIENCES	Teaching assistant, COM4206: Communication Text Mining	Fall 2019
	Undergraduate, Department of Communication, Yonsei University	
	Teaching assistant, COM3128: Public Relations	Spring 2019
	Undergraduate, Department of Communication, Yonsei University	
TEACHING EXPERIENCES	Teaching assistant, COM3144: Theories of Advanced Public Relation	Fall 2017
	Undergraduate, Department of Communication, Yonsei University	
WORKING EXPERIENCE	Aide for Member of the National Assembly	2014
	National Assembly (Assembly Member: Hak-Jae Lee)	

TRAINING	Summer Institutes in Computational Social Science (SICSS)	<i>Jul 2021</i>
	Keio University, Tokyo	
	Instructors: Hirokazu Shirado and Makiko Nakamuro	
	Generalized Linear Model	<i>May 2019</i>
	Korea Social Science Data Archive, Seoul National University	
	Instructor: Seongsoo Choi	
	Linear Algebra for Data Science	<i>Oct 2018</i>
	Department of Communication, Yonsei University	
	Instructor: Sang Yup Lee	
	Introduction to Statistics with R	<i>Aug 2018</i>
	Department of Statistics, Yonsei University	
	Instructors: Sangwook Kang, Taeyoung Park, and Hyunjoong Kim	
SKILLS	Statistical Modeling	
	Regression: Fixed effect regression, IV-regression, RDD, lme4 Bayesian parameter estimation: MCMC, Variational Inference, Stan, brms Structural equation model: lavaan Mediation/moderation: mediation, processR Time-series modeling: ARIMA, HMM, VAR Network analysis: ERGM, QAP	
	Behavioral Data Analysis	
	Randomized controlled experiment: DeclareDesign Survey: Mturk, Lucid, Qualtrics, Google Forms	
	Online Data Analysis	
	Web-scraping: BeautifulSoup4, scrapy, Selenium, Instagram Scraper Social media data collection: Tweepy, rtweet Web-based experiment: Empirica, breadboard	
	Machine Learning	
	Penalized regression: Lasso, Ridge, Elastic Net Dimensionality reduction: PCA, t-SNE, UMAP Classification: kNN, Naive Bayes, Decision Tree, SVM, Ensemble Model Unsupervised model: GMM, k-means Deep Learning: CNN, RNN, LSTM, Elmo, BERT, GPT-3, GAN, Keras, PyTorch	
	Automated Text Analysis	
	Preprocessing: spaCy, nltk, spacyr, quanteda, konlpy, soynlp Topic modeling: LSA, LDA, STM, keyATM, rectr Sentiment analysis: Dictionary-based approach, LIWC, (Semi-) Supervised ML Word embedding: word2vec, Glove, fastText, BERT	
	Programming/Statistical Language and Tools	
	Programming language: Python, Java, JavaScript Statistical tools: R, Stata, SPSS, Jamovi, JASP Other language or tools: \LaTeX , Git, GitHub, HTML, CSS, Markdown	

REFERENCES Sang Yup Lee

Professor of Communication
Professor of Digital Analytics
Department of Communication, Yonsei University
50, Yonsei-ro, Seodaemun-gu, Seoul, Republic of Korea
Email: sangyuplee@yonsei.ac.kr

Hyunjin Song

Professor of Communication
Department of Communication, Yonsei University
50, Yonsei-ro, Seodaemun-gu, Seoul, Republic of Korea
Email: hyunjinsong@yonsei.ac.kr

Kyungmo Kim

Professor of Communication
Department of Communication, Yonsei University
50, Yonsei-ro, Seodaemun-gu, Seoul, Republic of Korea
Email: kkmo@yonsei.ac.kr

(Additional references are available upon request)