

JE HOON CHAE

RESEARCH INTERESTS **Political Communication:** misinformation and political information processing, news framing, deliberative democracy, and populism
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

WORKS IN PROGRESS [3] **Chae, J. H.**, Song, H., & Lee, S. Y. (In Preparation). Perceiving Fact-Checks as Biased but Nevertheless Persuaded? Effects of Fact-Checking News Delivered by Partisan Media. [[Brief Summary](#)]
 [2] Min, S., **Chae, J. H.**, Lee, J., & Lee, S. Y. (In Preparation). Image as data: How Instagram photos reveal individual's characteristics and personality. [[Brief Summary](#)] [[Slides](#)]
 [1] Min, S., **Chae, J. H.**, & Han, S. (In Preparation). Event segmentation in memory for real-world social events: A case study on COVID-19. [[Brief Summary](#)] [[Slides](#)]

CONFERENCE PRESENTATION [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 (Scheduled).
 [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 (Scheduled).
 [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	The Best Graduate Student Paper (First Prize)	2020
	Korean Communication Association	
	Distinguished Dissertation Award	2020
	Yonsei University	
	Academic Achievement Excellence Award	2015
	Yonsei University	
SCHOLARSHIPS	Brain Korea 21+ Scholarship	2017 – 2020
	National Research Foundation (NRF)	
	Teaching Assistant Scholarship	2019 – 2020
	Department of Communication, Yonsei University	
	Research Assistant Scholarship	2017 – 2018
	Department of Communication, Yonsei University	
GRANTS	Brain Korea 21+	2017 – 2020
	Research assistant (PI: Yong-Chan Kim)	
	Team: Creative Applications of Communication Technologies and Social Integration	
	Institute of Convergence Science (ICONS)	2018 – 2019
	Co-investigator (\$3,000)	
	Team: Exploration of the Neuro-Computational, Psychological, and Social Systems (ENCOMPASS)	
TEACHING EXPERIENCE	Text Mining with Python	Jan 2020 – Mar 2020
	Department of Physical Education, Yonsei University	
	Invited lecturer	
	Eight weeks course addressing machine learning based text analysis	
	Communication Text Mining (COM4206)	Fall 2019
	Department of Communication, Yonsei University	
	Teaching assistant (Instructor: Sang Yup Lee)	
	Public Relations (COM3128)	Spring 2019
	Department of Communication, Yonsei University	
	Teaching assistant (Instructor: Jungho Han)	
	Theories of Advanced Public Relation (COM3144)	Fall 2017
	Department of Communication, Yonsei University	
	Teaching assistant (Instructor: Jungho Han)	
WORKING EXPERIENCE	Aide for Member of the National Assembly	2014
	National Assembly (Assembly Member: Hak-Jae Lee)	
	Internship of New Media Communication	

TRAINING	Summer Institutes in Computational Social Science (SICSS) Keio University, Tokyo Instructors: Hirokazu Shirado and Makiko Nakamuro	<i>Jul 2021 (scheduled)</i>
	Generalized Linear Model Korea Social Science Data Archive, Seoul National University Instructor: Seongsoo Choi Subjects: logit/multinomial regression, moderation and mediation	<i>May 2019</i>
	Linear Algebra for Data Science Department of Communication, Yonsei University Instructor: Sang Yup Lee	<i>Oct 2018</i>
	Statistical Science with R Department of Statistics, Yonsei University	<i>Aug 2018</i>
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 Online panel platform: Mturk, Lucid Survey: 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 Pre-processing: 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

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(Additional references are available upon request)