Je Hoon Chae

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RESEARCH INTERESTS

Substantive: political communication; political psychology; deliberative democracy; misinformation.
Methodological: causal inference; computational social science; text-as-data; survey experiment; network analysis.

EDUCATION

2022– **University of Illinois Urbana-Champaign**, Urbana, IL
Ph.D. in Communication

2017–2020 **Yonsei University**, Seoul, South Korea
M.S. in Media Communication

2012–2017 **Yonsei University**, Seoul, South Korea
B.A. in Communication

UNDER REVIEW

1. **Je Hoon Chae**, Sang Yup Lee, & Hyunjin (Jin) Song. Attitudinal Persuasion and Perceptual Backfire? Effects of Fact-Checking News Delivered by Partisan Media. *Under Review in Political Psychology*.
· [Preprint] [Abstract] [Code]

WORKING PAPERS

4. JungHwan Yang, Ashank Tomar, **Je Hoon Chae**, & Xiujia Yang. The Effect of Trump's Endorsements on Senate Republican Candidates' Campaign Messaging Strategies in the 2018 U.S. Midterm Elections. *Drafting*.
· [Abstract]

3. **Je Hoon Chae** & Sang Yup Lee. How Media Frame the #MeToo Movement in South Korea? Automated Content Analysis. *Drafting*.
· [Abstract] [Code]

2. Seokyoung Min, **Je Hoon Chae**, Johnghyun Lee, & Sang Yup Lee. Image as Data: How Instagram photos reveal individual's characteristics and personality. *Drafting*.
· [Abstract]

1. Seokyoung Min, **Je Hoon Chae**, & Sanghoon Han. Event Segmentation in Memory for Real-World Social Events: A case study on COVID-19. *Drafting*.
· [Abstract]

CURRENT PROJECTS

1. "Effect of Partisan Animosity on Biased Political Knowledge Learning"
(with David Tewksbury)

CONFERENCE PRESENTATIONS

11. Yang, J., Tomar, A., **Chae, J. H.**, & Yang, X. (2023, April, Scheduled). "The Effect of Trump's Endorsements on Senate Republican Candidates' Campaign Messaging Strategies in the 2018 U.S. Midterm Elections," 80th *Annual Meeting of Midwest Political Science Association (MPSA)*, Chicago, IL.

10. **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.

9. **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.

8. Min, S., **Chae, J. H.**, Lee, J., *&* Lee, S. Y. (2021, July). "Identifying individuals using topic patterns of Instagram photos," *7th International Conference on Computational Social Science (IC²S²)*, 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). "Persuasion Effect of Fact-Checking News and Perceived Media Bias," *Annual Conference of the Korean Society for Journalism & Communication Studies*, Dae-gu, Republic of Korea.
    · Selected for **the Best Graduate Student Paper (First Prize)** [Link (Korean)]

4. Min, S., **Chae, J. H.**, Lee, J., *&* 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 Republic of 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, *&* GRANTS

2022–2025   **Illinois Distinguished Fellowship**, University of Illinois Urbana-Champaign
· Award amount: $75,000

2020   **Best Graduate Student Paper (First Prize)**, Korean Society for Journalism *&* Communication Studies
· Award amount: KRW 1,000,000 ($\approx$ $900)

2020   **Distinguished Dissertation Award**, Yonsei University

2018   **Institute of Convergence Science Research Grant**, Yonsei University
· Award amount: KRW 3,000,000 ($\approx$ $2,500)
· Role: Co-PI

2017–2020   **Brain Korea 21+ Fellowship**, National Research Foundation (NRF)
· Award amount: KRW 14,400,000 ($\approx$ $11,000)
· Role: Research assistant

2015   **Academic Honor**, Yonsei University

RESEARCH EXPERIENCES

2022–   **News Reading in Context Study**
Role: Researcher (PI: David Tewksbury, Ph.D.)
· Design an experiment and prepare for the pre analysis plan

2022–   **Effect of Trump's Endorsement on Candidates' Campaign Strategies**
Role: Researcher (PI: JungHwan Yang, Ph.D.)
· Merged TV campaign data (Wesleyan Media Project), US Census data (demographics of each electoral district), and CCES data
· Compared the campaign strategies of candidates with multi-level logistic regression

2021   **Measuring Quality of Foreign News on Portal from Textual Data**
Role: Research Assistant (PI: Kyungmo Kim, Ph.D.)
· Trained machine learning (ensemble) model to predict news quality based on human annotated dataset

2018–2020   **Application of Vision Algorithms to Instagram Photo to Predict User Personality**
Role: Co-PI (Advisor: Sang Yup Lee. Ph.D)
· Designed and collected the survey and image data
· Quantified users' images using object detection algorithms
· Trained machine model to predict user's personality with Instgram photo

TEACHING EXPERIENCES

Yonsei University (Graduate Invited Lecturer)

2020   Web-Scraping & Text Mining with Python, Department of Physical Education
· [Codes and materials]

Yonsei University (Undergraduate Teaching Assistant)

2019   COM4206: Communication Text Mining, Department of Communication
2019   COM3128: Public Relations, Department of Communication
2017   COM3144: Theories of Advanced Public Relation, Department of Communication

TRAINING

2021–2022   Harvard University, Summer & Extension Program (Math & Statistics courseworks)
2021   Summer Institute for Computational Social Science (SICSS; see the link)
· Instructor: Hirokazu Shirado
2021   University of Texax Austin, Summer Statistics Institute
· Instructor: Stephen Jessee
2021   Hartie School Data Science Summer School (DS3)
2019   Workshop of Generalized Linear Model, Korea Social Science Data Archive

SKILLS

Statistical skills: Advanced regression including multilevel analysis with generalized linear models (with cross-sectional or panel data); causal inference (i.e., matching, difference in difference, regression discontinuity); machine learning model training for textual and image data (applying supervised/unsupervised and deep-learning models); network analysis (e.g., ERGM, QAP).

Research skills: Online survey experiment (MTurk, Qualtrics); online data collection (digital trace data collection usually with Python); open science with pre-registration (OSF, EGAP).

Programming languages: Python (proficient), C, C++, JavaScript, Java (coursework)

Statistical tools: R (proficient), Stata, SPSS (advanced)

Other computational languages or tools: LaTeX, Git, GitHub, SQL, HTML, CSS