

Yuan Hsiao

Contacts

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Professional appointments

2021-present

Assistant professor, Department of Communication, University of Washington

Education

- Ph.D., Sociology, University of Washington, 2021
- M.S., Statistics, University of Washington, 2021
- M.A., Sociology, University of Washington, 2015
- B.A., Sociology, National Taiwan University, 2010

Research Interests

Political communication, Social networks, Digital media, Collective action, Quantitative methods

Scholarly Publications

- **Hsiao, Yuan.** *Forthcoming.* "Network Diffusion of competing behavior." Advance online publication at *Journal of Computational Social Science*
- Lui, Lake, Ken Chih-Yan Sun and **Yuan Hsiao.** *Forthcoming.* "'How Families Affect Aspirational Emigration Amidst Political Insecurity: The Case of Hong Kong.'" *Population, Space and Place.* (Impact Factor: 3.81)
- **Hsiao, Yuan** and Scott Radnitz. 2021. "Allies or Agitators? How Partisan Identity Shapes Public Opinion about Violent or Nonviolent Protests." *Political Communication* 38 (4), 479-497. (Impact Factor: 7.86)
- Leverso, John and **Yuan Hsiao.** 2021. "Gangbangin On The [Face]Book: Understanding Online Interactions of Chicago Latina/o Gangs." *Journal of Research in Crime and Delinquency* 58 (3), 239-268. (Impact Factor: 3.07)
- **Hsiao, Yuan.** 2021. "Evaluating the Mobilization Effect of Online Political Network Structures: A Comparison between the Black Lives Matter Network and Ideal Type Network Configurations." *Social Forces* 99(4): 1547-1574. (Impact Factor: 3.58)
- Powell, Tara, Shang-Ju Li and **Yuan Hsiao,** Michelle Thompson, Aseel Farraj, Mariam Abdoh and Rami Farraj. 2021. "An evaluation of physical versus combined mental health interventions for Syrian refugees in Jordan." *Preventive Medicine Reports* 21: 101310 (Impact Factor: 2.50)

- Becker, Sascha, **Yuan Hsiao**, Steven Pfaff and Jared Rubin (**Equal contribution and listed alphabetically**). 2020. "Multiplex Network Ties and the Spatial Diffusion of Radical Innovations: Martin Luther's Leadership in the Early Reformation." *American Sociological Review* 85(5): 857-894.
(Impact Factor: 9.65)
- Powell, Tara, Oe Jin Shin, Shang-Ju Li, and **Yuan Hsiao**. 2020. "Post-traumatic stress, social, and physical health: A mediation and moderation analysis of Syrian refugees and Jordanians in a border community." *PloS One*
(Impact Factor 3.24)
- **Hsiao, Yuan**, Ching-Ling Cheng and Ya-Wen Chiu. 2019. "Gender Network Dynamics in Prosocial and Aggressive Behavior of Early Adolescents." *Social Networks* 58: 12-23.
(Impact Factor: 3.41)
- Powell, Tara, Shang-Ju Li, **Yuan Hsiao**, Chloe Ettari, Anish Bhandari, Anne Peterson and Niva Shakya. 2019. "Investigating the aftershock of a disaster: A study of health service utilization and mental health symptoms in post-earthquake Nepal." *International Journal of Environmental Research and Public Health* 16(8): 1369.
(Impact Factor: 3.39)
- Li, Zehang, **Yuan Hsiao**, Jessica Godwin, Bryan Martin, Jon Wakefield and Samuel Clark. 2019. "Changes in the Spatial Distribution of the Under Five Mortality Rate: Small-area Analysis of 136 DHS Surveys in 33 Countries in Africa and Asia." *PLoS One* 14(1).
(Impact Factor: 3.24)
- **Hsiao, Yuan**. 2018. "Understanding digital natives in contentious politics: explaining the effect of social media on protest participation through psychological incentives." *New Media & Society* 20(9): 3457-3478.
(Impact Factor: 8.06)
- **Hsiao, Yuan** and Yunkang Yang (**Equal Contribution and listed alphabetically**). 2018. "Activists on the cloud? An empirical test on commitment for online and offline protest participants." *Information, Communication & Society* 21(7): 996-1013.
(Impact Factor: 5.42)
- **Hsiao, Yuan**. 2017. "Virtual ecologies, mobilization, and democratic groups without leaders: Impacts of internet media on the Wild Strawberry Movement." In Dafydd Fell (Ed.) *Taiwan's Social Movements under Ma Ying-jeou: From the Wild Strawberries to the Sunflowers* (pp. 34-53). New York: Routledge.
- **Hsiao, Yuan**. 2011. "How the Internet Impacts Social Movements: A Case Study of the Taiwan Wild Strawberry Movement." *Taiwan Democracy Quarterly* 8 (3): 45-85.

Research under review

- **Hsiao, Yuan**, Lee Fiorio, Jon Wakefield and Emilio Zagheni. "Combining Twitter data with official estimates to predict state-to-state migration rates in the US." *Revise and Resubmit at Sociological Methods and Research*
- **Hsiao, Yuan**. "Quality and quantity strategies in competitive market networks." *Under review*
- **Hsiao, Yuan** and Steven Pfaff. "Oaths, CatNets, and insurgent strategy: The case of the Mau Mau Rebellion." *Under review*
- **Hsiao, Yuan** and Lake Lui. "Network effects and the tolerance of protest violence in the Hong Kong Anti-Extradition Bill Movement." *Under review*

Research under development

- Kai-Ping Leung, **Yuan Hsiao**, and Kiran Garimella. “Solidarity in digital movements: Combining social media data and offline protest events in the Hong Kong Movement.”
- Karell, Daniel, **Yuan Hsiao** and Steven Pfaff. “A socio-semantic network analysis of right wing YouTube viewers.”
- Becker, Sascha, **Yuan Hsiao**, Steven Pfaff and Jared Rubin. “Countervailing networks and leadership in the religious competition between Martin Luther and Desiderius Erasmus.”
- Radnitz, Scott and **Yuan Hsiao**. “A survey experiment on conspiracy theory and political speech.”

Statistical and programming consulting

- (2018-2021) Consultant, The Center for Social Science Computation and Research, University of Washington
- (2018) Consultant, Departments of Biostatistics and Statistics consulting services, University of Washington
- (2017) Statistical Consultant, Americares Foundation: Disaster Relief & Global Health Organization, CT, USA

Grants, Fellowships, Honors

- (2022) [co-PI] *How Domestic Divisions Shape Perceptions of Foreign Disinformation*. Center for an Informed Public Innovation Fund. Center for an Informed Public, University of Washington (\$18,265)
- (2021) Research Fellow. The Institute for Data, Democracy & Politics, The George Washington University (\$13,000)
- (2019) Presidential Dissertation Fellowship Award. UW Graduate School
- (2019) Center for Studies in Demography and Ecology Service Grant, Center for Studies in Demography and Ecology, University of Washington (\$500)
- (2018) Research fellow, Laboratory of digital and computational demography, The Max Planck Institute for Demographic Research, Rostock, Germany
- (2018) Herbert Costner Award Research Fund. University of Washington, USA (\$5000)
- (2017) UW Population Health Travel Award (\$1500)
- (2017) Travel Grant. International Association of Communication (\$200)
- (2016) University of Washington Graduate School Distinguished Thesis Award (\$500)
- (2015) Research Grant. Department of Sociology, University of Washington, USA. “Social media and collective action participation: A socio-psychological investigation.” (\$1000)
- (2013-2014) Studying Abroad Scholarship, Ministry of Education, Taiwan
- (2009-2010) [PI] *How the Internet affects Social Movements*. National Science Council Research Project Grants for Outstanding Undergraduate Students, Taiwan. (\$1567)

Invited Talks and Organized Workshops

- (2021) Referee of Hackathon contest “Social science simulation research reproduction challenge.” Academia Sinica, Taipei, Taiwan.

- (2021) “How to publish social movement research in interdisciplinary fields.” Ritsumeikan University, Kyoto, Japan.
- (2021) “The strengths and limitations of big data research in political movements: exemplary cases from Taiwan, Hong Kong, and the US.” National Taiwan University, Taipei, Taiwan
- (2021) “The strengths and limitations of big data research in political movements: exemplary cases from Taiwan, Hong Kong, and the US.” National Sun Yat-sen University, Kaohsiung, Taiwan
- (2021) “Evaluating the mobilization effect of online political network structures.” Academia Sinica, Taipei, Taiwan
- (2020) “How Useful is Big Data in Understanding Digital Activism?: Diverse Approaches Using Cross-National Cases.” School of Oriental and African Studies, University of London, London, United Kingdom.
- (2019) Organizer of ASA preconference “Migration data and models for a better world: Perspectives from social scientists, data scientists and international organizations.” American Sociological Association, New York, USA
- (2018) “Combining Twitter data with official estimates to predict state-to-state migration rates in the US.” The Max Planck Institute for Demographic Research, Rostock, Germany
- (2018) “Social Media, Social Networks, and Social Movements: a network perspective on connective action.” Academia Sinica, Taipei, Taiwan
- (2018) “Network analysis and RSiena – an example-motivated introduction.” College of Education, University of Washington, Seattle, WA, USA

Teaching

- **Teaching awards**

- (2018) Award for Best Teaching Assistant, Department of Sociology, University of Washington

- **Teaching experience**

in statistics	in social sciences
<p>(2017) Instructor. CSSS 505: Review of Math for Social Scientists, University of Washington</p> <p>(2018) Teaching Assistant. CSSS 507/SOC 506: Methodology: Quantitative Techniques in Sociology, University of Washington</p> <p>(2018) Teaching Assistant. SOC 505: Social Statistics, University of Washington</p> <p>(2017) Teaching Assistant. SOC 504: Social Statistics, University of Washington</p> <p>(2017) Teaching Assistant. CSSS 507/SOC 506: Methodology: Quantitative Techniques in Sociology, University of Washington</p> <p>(2015) Teaching Assistant. Center for Statistics and the Social Sciences Math Camp. University of Washington (In charge of section on statistical programming)</p>	<p>(2016) Teaching Assistant. SOC 331: Population and Society, University of Washington</p> <p>(2016) Teaching Assistant. SOC 292: Public Schools in America, University of Washington</p> <p>(2014) Teaching Assistant. SOC 316: Introduction to Sociological Theory, University of Washington</p> <p>(2015) Teaching Assistant. SOC 222: Sociology of Sport, University of Washington</p> <p>(2014) Teaching Assistant. SOC 110: Survey of Sociology, University of Washington</p> <p>(2014) Teaching Assistant. SOC 371: Criminology, University of Washington</p>

Conference Presentations

- (2020) “Evaluating the mobilization effect of online political network structures: a comparison between the Black Lives Matter Sacramento network and ideal type network configurations” International Network for Social Network Analysis Sunbelt conference. (Virtually held due to COVID-19)
- (2020) “Reducing Noncommunicable Diseases Among Syrian Refugees in Jordan: Combining Physical and Mental Health Treatments” Population Association of American annual meeting. (Virtually held due to COVID-19)
- (2019) “Law and Disorder? Survey Experiment on Perceptions of Protest and Nonviolence.” American Sociological Association Annual Meeting Conference. New York, USA
- (2019) “Estimating US Internal Emigration Flows in a timely way by complementing the American Community Survey with geolocated Twitter Data.” Population Association of American annual meeting, Austin, TX, USA
- (2018) “Collective versus connective action in Black Lives Matter Sacramento: The interaction between network structures, strong/weak ties, and forms of activism.” Young Scholars in Social Movements Conference, Center for the Study of Social Movements, University of Notre Dame, South Bend, IN, USA
- (2017) “Gendered network dynamics of aggressive and prosocial behavior” Center for studies in Demography and Ecology Poster Session, University of Washington
- (2017) “Commitment in the Cloud? Social Media Participation in the Sunflower Movement.” Digital media, political polarization and challenges to democracy: an international symposium, Vienna, Austria
- (2017) “Networks of aggressive and prosocial behavior: Alternative evidence from a Chinese society.” 18th European Conference on Developmental Psychology, Utrecht, Netherlands
- (2017) “Is Commitment Possible in the Cloud? Social Media Participation in the Sunflower Student Movement.” International Communication Association Annual Meeting Conference, San Diego, CA, USA
- (2016) “Social media and collective action: a test of a new structural-cognitive model”. American Sociological Association Annual Meeting Conference. Seattle, WA, USA
- (2015) “Oaths, commitment problems, and insurgent strategy: The case of the Mau Mau Rebellion.” Association for the Study of Religion, Economics, and Culture Conference, Orange City, CA, USA
- (2015) “Oaths, commitment problems, and insurgent strategy: The case of the Mau Mau Rebellion.” Seminar on Cultural, Organizational, Political and Economic Sociology, University of Washington

Reviewer Experience

New Media and Society, Information, Communication and Society, Communication Theory, American Sociological Review, American Journal of Sociology, Public Opinion Quarterly, Social Science Computer Review, EPJ Data Science, Telematics and Informatics, Journal of Computational Social Science, Archives of Public Health, Government and Opposition, Social Movement Studies, International Sociology, Third World Quarterly, The Social Science Journal, Plos One, Taiwanese Sociology (<台灣社會學>)

Languages

English, Taiwanese, Mandarin/Chinese, Japanese

Last updated: Sep 2021