

# Yuan Hsiao

## Contacts

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Department of Communication  
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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\***, John Leverso\* and Andrew Papachristos. *Forthcoming*. “The Corner, the Crew, and the Digital Street: Multiplex networks of gang online-offline conflict dynamics in the digital age.” *American Sociological Review*
- **Hsiao, Yuan**, Lee Fiorio, Jon Wakefield and Emilio Zagheni. *Forthcoming* “Combining Twitter data with official estimates to predict state-to-state migration rates in the US.” *Sociological Methods and Research*
- Powell, Tara, Jennifer Scott, Paula Yuma and **Yuan Hsiao**. *Forthcoming*. “Surviving the Storm: Intervening to reduce psychological distress for health and social care providers post-disaster.” *Health & Social Care in the Community*
- **Hsiao, Yuan** and Steven Pfaff. 2022. “The Diffusion of Radical Ideas.” *Sociology Compass* 16(10): e13023.
- Kai-Ping Leung, **Yuan Hsiao**, and Kiran Garimella. 2022. “Solidarity in digital movements: Combining social media data and offline protest events in the Hong Kong Movement.” *Journal of Quantitative Description: Digital Media* 2
- Lui, Lake, Ken Chih-Yan Sun and **Yuan Hsiao**. 2022. “How Families Affect Aspirational Emigration Amidst Political Insecurity: The Case of Hong Kong.” *Population, Space and Place* 28(4): e2528.
- **Hsiao, Yuan**. 2022. “Network Diffusion of competing behavior.” *Journal of Computational Social Science* 1-14.
- **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.

- **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.
- Leverso, John and **Yuan Hsiao.** 2021. “Gangbanging On The [Face]Book: Understanding Online Interactions of Chicago Latina/o Gangs.” *Journal of Research in Crime and Delinquency* 58 (3), 239-268.
- 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
- Becker, Sascha\*, **Yuan Hsiao\***, Steven Pfaff\* and Jared Rubin\*. 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.
- 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*
- **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.
- 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.
- 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: 3.75)
- **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.
- **Hsiao, Yuan\*** and Yunkang Yang\*. 2018. “Activists on the cloud? An empirical test on commitment for online and offline protest participants.” *Information, Communication & Society* 21(7): 996-1013.
- **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.

Note: \* Signifies equal contribution

### Selected research under review

- **Hsiao, Yuan** and Steven Pfaff. “The Rationality of Oaths in Armed Struggle: A Dynamic Model of Commitment and the Mau Mau Insurgency (1952-1956)”  
*Revise and Resubmit at Journal of Economics, Management and Religion*
- **Hsiao, Yuan\***, Fang-Yu Lin\*, Greg Chih-Hsin Sheen\* and Ching-Hsing Wang\*. “Politics

matters for individual attitudes toward vaccine donation: cross-national evidence from the United States and Taiwan” *Revise and Resubmit at Globalization and Health*

- **Hsiao, Yuan.** “Widespread reach or quality development? Number versus quality strategies in competitive network diffusion.” *Under review*
- **Hsiao, Yuan** and Matthew Hindman. “Leading or Following?: (dis)Correspondence of Media and User Frame Networks on YouTube channels of Right-Wing News Organization.” *Under review*
- **Hsiao, Yuan** and Yunkang Yang. “Participatory propaganda: The role of super commenters in producing propaganda on Breitbart News.” *Under review*
- **Hsiao, Yuan,** Greg Chih-Hsin Sheen and Ching-Hsing Wang. “Why spreaders of (mis)information correct their behavior: a cross-national survey experiment” *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*

Note: \* Signifies equal contribution

### **Selected research under development**

- **Hsiao, Yuan,** Kristina Scharp and Cimmi Alvarez. “Understanding how people with intersecting marginalized identities communicate about their stigma experience: A mixed methods studies.”
- 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**

- (2023) “The spread of extreme information online: cross-national cases from Taiwan and the US.” Academia Sinica, Taipei, Taiwan.
- (2022) Panel organizer of “Complementing Digital Text Data: Design Goals of Multi-modal and Multi-method Approaches.” International Conference on Method Triangulation. Academia Sinica, Taipei, Taiwan
- (2022) “Leading or Following?: (dis)Correspondence of Media and User Frame Networks on YouTube channels of Right-Wing News Organization.” City University of Hong Kong, Hong Kong
- (2022) “Social media and protest mobilization.” National Cheng-Chi University, Taipei, Taiwan
- (2022) “Social media, radicalization, and mis/disinformation.” National Cheng-Chi University, Taipei, Taiwan
- (2021) Referee of Hackathon contest “Social science simulation research reproduction challenge.” Academia Sinica, Taipei, Taiwan.
- (2021) “Multiplex networks of online and offline gang conflict: a mixed-methods abductive study of Chicago Latinx gangs.” Hong Kong Baptist University, Hong Kong.
- (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

### **Selected Conference Papers and Presentations**

- (2023) “Participatory propaganda: The role of super commenters on Breitbart News.” Midwest Political Science Association annual meeting, Chicago, IL, USA.
- (2023) “The spread of extreme information online: cross-national cases from Taiwan and the US.” Academia Sinica, Taipei, Taiwan
- (2022) “How early-stage spreader behavior changes in the face of refutation: A cross-national survey experiment in the U.S. and Taiwan.” American Political Science Association annual meeting, Montreal, Canada.
- (2022) “Participatory propaganda: The role of super commenters in producing propaganda on Breitbart News.” International Conference on Social Media and Society. Virtually held.
- (2022) “How Domestic Divisions Shape Perceptions of Foreign Disinformation.” World Congress of Taiwan Studies. Seattle, WA, USA.
- (2022) “Leading or following?: A Network Agenda Setting Study of User Comments on Right-wing YouTube channels.” Political Communication Division, International Communication Association Annual Meeting Conference, Paris, France
- (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, Human Communication Research, American Sociological Review, American Journal of Sociology, Social Forces, Public Opinion Quarterly, International Journal of Communication, 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, Communication and The Public, Taiwanese Sociology (<台灣社會學>)*

### **Languages**

English, Taiwanese, Mandarin/Chinese, Japanese

Last updated: May 2023