



CURRICULUM VITAE

Name: Yulin Hswen, ScD, MPH

Position: Assistant Professor
Epidemiology & Biostatistics
Bakar Computational Health Sciences Institute
School of Medicine

Address: University of California, San Francisco
Bakar Computational Health Sciences Institute
490 Illinois St, San Francisco, CA 94158, United States
Email: yulin.hswen@ucsf.edu
Web: <https://profiles.ucsf.edu/yulin.hswen>

EDUCATION

2019	Harvard TH Chan School of Public Health	Doctor of Science	Social and Computational Epidemiology
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HONORS AND AWARDS

2014	Clarendon Scholarship, Full Tuition and Stipend Scholarship - Declined	The University of Oxford
2014	Cambridge International Scholarship Scheme, Full Tuition and Stipend Scholarship - Declined	The University of Cambridge

KEYWORDS/AREAS OF INTEREST

Computational Epidemiology; Social Determinants of Health; Environmental Health; Statistics; Geospatial Temporal Analysis; Health Disparities; Digital Health; Machine Learning; Natural Language Processing; Social Justice

SIGNIFICANT PUBLICATIONS

1. Hswen, Y., & Brownstein, J. S. (2019). Real-time digital surveillance of vaping-induced pulmonary disease. *New England Journal of Medicine*, 381(18), 1778-1780.
2. Kreps, S., Dasgupta, N., Brownstein, J. S., Hswen, Y., & Kriner, D. L. (2021). Public attitudes toward COVID-19 vaccination: The role of vaccine attributes, incentives, and misinformation. *npj Vaccines*, 6(1), 1-7.
3. Kraemer, M. U., Sadilek, A., Zhang, Q., Marchal, N. A., Tuli, G., Cohn, E. L., ... & Brownstein, J. S. (2020). Mapping global variation in human mobility. *Nature Human Behaviour*, 4(8), 800-810.
4. Hswen, Y., Ulrich, N., Elad, Y. T., & Bruno, V. (2022). Economics of attention: The gender-



based bing communication study on depression. *SSM-Population Health*, 17, 100993.

5. Hswen, Y., Zhang, A., & Brownstein, J. S. (2021). Estimating the incidence of cocaine use and mortality with music lyrics about cocaine. *NPJ digital medicine*, 4(1), 1-6.
6. Hswen, Y., Qin, Q., Brownstein, J. S., & Hawkins, J. B. (2019). Feasibility of using social media to monitor outdoor air pollution in London, England. *Preventive medicine*, 121, 86-93.
7. Hswen, Y., Xu, X., Hing, A., Hawkins, J. B., Brownstein, J. S., & Gee, G. C. (2021). Association of “# covid19” versus “# chinesevirus” with anti-Asian sentiments on Twitter: March 9–23, 2020. *American Journal of Public Health*, 111(5), 956-964.
8. Hswen, Y., Brownstein, J. S., Liu, J., & Hawkins, J. B. (2017). Use of a digital health application for influenza surveillance in China. *American journal of public health*, 107(7), 1130-1136.
9. Hswen, Y. (2022). Online Hate: The New Virus. *American Journal of Public Health*, 112(4), 545-547.
10. Hswen, Y., Huerta, D. T., Le-Compte, C., Hawkins, J. B., & Brownstein, J. S. (2021). A 10-Year Social Media Analysis Exploring Hospital Online Support of Black Lives Matter and the Black Community. *JAMA Network Open*, 4(10), e2126714-e2126714.
11. Rader, B., Astley, C. M., Sy, K. T. L., Sewalk, K., Hswen, Y., Brownstein, J. S., & Kraemer, M. U. (2020). Geographic access to United States SARS-CoV-2 testing sites highlights healthcare disparities and may bias transmission estimates. *Journal of travel medicine*.
12. Hswen, Y., Sadilek, A., Bavadekar, S., Shekel, T., Brownstein, J. S., & Gabrilovich, E. (2020). Lymelight: forecasting Lyme disease risk using web search data. *NPJ digital medicine*, 3(1), 1-12.
13. Hswen, Y., Zhang, A., & Ventelou, B. (2021). Estimation of asthma symptom onset using internet search queries: lag-time series analysis. *JMIR Public Health and Surveillance*, 7(5), e18593.
14. Hswen, Y., Ulrich, N., Elad, Y. T., & Bruno, V. (2022). Economics of attention: The gender-based bing communication study on depression. *SSM-Population Health*, 17, 100993.

PATENTS ISSUED OR PENDING

1. Covidseeker. A retrospective geospatial temporal tool for COVID-19 hotspot detection.



PEER REVIEWED PUBLICATIONS

See Google Scholar:

https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=yulin+hswen&btnG=

EDITORIAL BOARDS

- 2018 - present Harvard Public Health Review - Boston Public Health Commission. Deputy Editor
- 2021 - present The Journal of Humanities of Social Sciences Communication – A Nature Journal Editorial Board
 Articles published in the journal were downloaded 379,3186 times in 2021, with an average number of 4,637 downloads* per article in the last 12 months after publication.
- 2021 - present Scientific Reports - *Scientific Reports* is the 5th most-cited journal in the world, with more than 696,000 citations in 2021* Editorial Board

INVITED INTERNATIONAL PRESENTATIONS

- 2020 Epidemiology, Biostatistics and Prevention Institute of the University of Zurich Podium
- 2020 University of Zurich Department of Geography | GIScience Center (GIS/GIVA/GC digitalGIScience-Colloquium Modeling spatio-temporal mobility in relation to Covid-19 across the United States Podium
- 2020 5th World’s Big Data Summit NTERNACIONALES V ENCUENTRO MUNDIAL BIG DATA TECNOLOGÍAS DISRUPTIVAS AL SERVICIO DE LA HUMANIDAD Bogotá - Colombia Podium
- 2020 AI for Pandemics. Re-Work. Podium

ACADEMIC LEADERSHIP

Digital Health Initiative - Data Lead, Committee Member. Develop a Digital Health Initiative for the Faculty at UCSF in the Department of Epidemiology and Biostatistics. Committee meetings to design program for faculty to engage in digital health research and curriculum.



MEDIA

1. WASHINGTON POST INTERVIEW :
<https://www.washingtonpost.com/nation/2021/03/19/trump-tweets-chinese-virus-racist/>
2. NATURE PORTFOLIO POSTING . INTERVIEW WITH FORMER PATRIOT PLAYER AND SUPER BOWL WINNER MALCOLM MITCHELL.
<https://healthcommunity.nature.com/posts/behind-the-lyrics>
3. WASHINGTON POST QUOTE:
<https://www.washingtonpost.com/politics/2021/03/19/republicans-who-dont-want-reexamine-anti-asian-rhetoric/>
4. NY TIMES INTERVIEW: <https://www.nytimes.com/2021/03/19/technology/how-anti-asian-activity-online-set-the-stage-for-real-world-violence.html>
5. USA TODAY INTERVIEW <https://www.usatoday.com/story/news/nation/2021/03/18/anti-asian-hashtags-donald-trump-covid-19-tweet-study/4728444001/>
6. ABC NEWS: <https://abcnews.go.com/Health/trumps-chinese-virus-tweet-helped-lead-rise-racist/story?id=76530148>
7. FORBES QUOTE: <https://www.forbes.com/sites/roberthart/2021/03/19/trumps-chinese-virus-tweet-helped-fuel-anti-asian-hate-on-twitter-study-finds/?sh=34d28b1b1a7c>
8. Editor for Special Edition Health Righters and intercollegiate magazine. Interviewed the musical artist IDK of Warner Brother Records about shifting the narrative about education, music and racial/gender norms. Recruited IDK for the interview and curating articles for special edition for BLACK HISTORY MONTH.
9. Deputy Editor for the Harvard Public Health Review. Lead editor for special COVID-19 edition related to racial disparities. Curated articles, reviewed and identified reviewers.
10. Covidseeker was featured in the media as new digital contact tracing tool for the COVID-19 pandemic in Beckers Hospital Review
<https://www.beckershospitalreview.com/data-analytics/ucsf-asks-public-to-share-their-google-location-data-to-improve-contact-tracing.html>
11. I was interviewed by the student paper of UCSF synapse for the Covidseeker project and how to build an idea and bring it to life. I was asked to be interview by a UCSF Jihee Yoon, Editor-in-Chief at the UCSF SCHOOL OF DENTISTRY for this piece.
<https://synapse.ucsf.edu/articles/2020/11/15/qa-covidseeker-principal-investigator-dr-yulin-hswen>
12. Interviewed on live TV by KRON4 for Covidseeker. Video attached.
<https://www.kron4.com/health/coronavirus/new-ucsf-study-to-help-track-where-people-may-be-contracting-covid-19/>
13. MSN featured Covidseeker and UCSF on how Covidseeker can help track COVID-19
<https://www.msn.com/en-us/news/technology/epidemiologists-using-google-maps-to-track-covid-outbreaks/ar-BB196Y3w>
14. Politico writer interviewed me to learn more about Covidseeker and was featured in their new technology section.
<https://www.ehfdc.org/resources/donate-your-data-covidseeker-research-project>



<https://www.politico.com/newsletters/future-pulse/2020/07/22/telemedicine-revolution-deferred-789320>

15. Talk 980 featured me on their station to learn more about the COVIDSEEKER technology
<https://www.radio.com/talk980am/articles/epidemiologists-using-google-maps-to-track-covid-outbreaks>
16. San Francisco CBS local featured Covidseeker in their news article as UCSF contact tracing technology
<https://sanfrancisco.cbslocal.com/2020/09/17/coronavirus-tracking-app-notify-user-exposed-covid-19/>
17. Filmed a community based participatory public service announcement for HIV/AIDS with inner city youth in the Boston area. Selected for the 2014 American Public Health Association's International Film Festival.

Hswen, Y., Bickham, D. Engaging African American Teens in Designing and Co-creating HIV Prevention Videos Using YouTube. 143rd American Public Health Association Annual Meeting and Exposition. November 2, 2015, Chicago, IL.

ADDITIONAL RELEVANT INFORMATION

Principal Recurring Actor. ABC TV Mini-Series. Samurai Girl.