

## KAYUET LIU

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### EMPLOYMENT

- 2017-present **Associate Professor** (with tenure), Department of Sociology, UCLA  
2012-2017 **Assistant Professor**, Department of Sociology, UCLA  
**Affiliate**, California Center for Population Research  
2007-2012 **Post-doctoral Research Scholar**, Understanding Autism Project  
Institute for Social and Economic Research and Policy, Columbia University  
2002-2004 **Senior Research Assistant**  
HKJC Centre for Suicide Research and Prevention, University of Hong Kong

### EDUCATION

- 2008 D.Phil. Sociology Nuffield College, University of Oxford  
Dissertation: "Pathways to Suicidal Behavior: a Mechanism-Based Approach"  
Advisor: Peter Hedström  
2002 M.Phil. Sociology St. Antony's College, University of Oxford  
Dissertation: "Illicit Drugs, Tobacco and Alcohol Use in the U.K."  
Advisor: Tak Wing Chan  
2000 B. Social Sciences (1st Hon.) University of Hong Kong

### GRANTS/AWARDS

1. **NIHCD-R01**. "Obstetrics Interventions, Neonatal Health, and Child Development (PIs: J Teitler & N Reichman". Role: UCLA subaward Principal Investigator. 9/11/2017-5/31/2021. UCLA direct and indirect costs: USD\$438,388; total direct and indirect costs: USD\$1,345,228.
2. **Swedish Research Council Project Grant**. "Social Ties and Residential Segregation". Role: Co-Investigator. Principal Investigator: Benjamin Jarvis (Linkoping University). 1/1/2017-12/31/2019.
3. **California Center for Population Research Seed Grant**. "Estimating the Mortality Rates of Unauthorized Mexican Immigrants in California" Role: Principal Investigator. 5/1/2015-4/30/2016; Total direct cost: USD\$16,167.
4. **UCLA Hellman Fellows Award**. "Diffusion of Non-Medical Exemptions to School Vaccine Requirements in California, 1992-2011" Role: Principal Investigator. 7/1/2014-6/30/2016; Total direct cost: US\$24,253.
5. **NIMH-R21**. "The Spread of Autism Diagnosis through Spatially Embedded Social Networks"(MH100514-01A1). Role: Principal Investigator. Other Principal Investigator: Peter Bearman(Columbia University). 1/1/2014-12/31/2016 UCLA direct and indirect cost: \$174,382; total direct and indirect cost US\$350,371.

**Eliot Freidson Outstanding Publication Award** from the American Sociological Association Section on Medical Sociology, 2011 (with coauthors Marissa King and Peter Bearman) for “Social influence and the autism epidemic,” *American Journal of Sociology* 115(5): 1387–1434.

7. **JK Swire Memorial Scholarship**, full D.Phil. Scholarship, 2004-2006

8. **Swire & Cathay Scholarship**, full M.Phil. Scholarship, 2000-2002

## PUBLICATIONS

Google Scholar citations (cited 2403 times; h-index: 25 as of Oct 6,2020)

\*\* graduate student/ former graduate student/ undergraduate/ research assistant as lead author

1. **Liu, Ka Y** and Lau, H. (2020). “A framework for understanding agency.” In Strüngmann Forum Report: Intrusive Thinking across Neuropsychiatric Disorders: From Molecules to Free Will (eds. Peter W. Kalivas and Martin P. Paulus), Cambridge: MA: MIT Press.
2. \*\*Gromis, A. & **Liu Ka Y**. (2020). The emergence of spatial clustering in medical vaccine exemptions following California Senate Bill 277, 2015-2018. *American Journal of Public Health*, 110, 1084-1091
3. Michel, M\*\* et al. (2019) Opportunities and challenges for a mature science of consciousness. *Nature Human Behavior* 3(2), 104
4. Michel, M\*\*, Fleming, SM, Lau, H, Lee, ALF, Martinez-Conde, S, Passingham, RE, Peters, M., Rahnev, D., Sergent, C, **Liu, K**. (2019). An informal internet survey on the current state of Consciousness Science. *Frontiers in Psychology* 9:2134
5. Gromis, A.\*\* & **Liu Ka Y**. (2018). The Roles of Autism Prevalence and Neighborhood Composition on Vaccination Exemption Pockets: A Population-wide Study. *Vaccine*. doi.org/10.1016/j.vaccine.2018.09.038
6. Taschereau-Dumouchel, V., **Liu, Ka Y**, Lau, H. (2018). Unconscious psychological treatments for physiological survival circuits. *Current Opinion in Behavioral Sciences* 24: 62-68
7. \*\*Chen, Z., & **Liu, Ka Y**. (2018). Assimilation of China’s rural-to-urban migrants: A multidimensional process. *Chinese Journal of Sociology*, 2057150X18764232.
8. \*\*Miuccio M, **Liu, Ka Y**, Lau H; Peters M (2017). Six-fold over-representation of graduates from prestigious universities does not necessitate un-meritocratic selection in the faculty hiring process. *Plos One*, 12(10) e0185900.
9. **Liu, Ka Y**(2017). To compare is to despair? A population-wide study of neighborhood compositions and suicide in Stockholm. *Social Problems*, 64(1)532-557).
10. Cheslack-Postava, K, Susser, E, **Liu, Ka Y**, Bearman, P (2015). Can sibling sex ratios be used as a valid test for the prenatal androgen hypothesis of autism spectrum disorders? *PlosOne*, e0141338
11. \*\*Makovi, K, Winter, A, **Liu, Ka Y**, Bearman, P (2015). The population level impacts of differential fertility behavior of parents of children with autism. *Sociological Science* 2:398-419
12. **Liu, Ka Y**, Bearman, PS (2015). Focal points, endogenous processes and exogenous shocks in the autism epidemic. *Sociological Methods and Research*, 44(2) 272-305.
13. \*\*McCurdy, LY, Maniscalco, B, Metcalfe, J, **Liu, Ka Y**, de Lange, FP, Lau, H (2013). Anatomical coupling between distinct metacognitive systems for memory and visual perception. *The Journal of Neuroscience* 33(5): 1897-1906.
14. Mazumdar, S, Winter, A, **Liu, Ka Y**, Bearman P (2013). Spatial clusters of autism births and diagnoses point to contextual drivers of increased prevalence. *Social Science & Medicine*, 95, 87-96

15. Mazumdar S, **Liu Ka Y**, Susser E, Bearman P (2012). The disappearing seasonality of autism conceptions in California. *PLoS One* 7(7):e41265
16. Keyes, K, Susser, E, Cheslack-Postava, K, Fountain, C, **Liu, Ka Y**, Bearman, P (2012). Cohort effects explain the increase in autism diagnosis among children born from 1992 to 2003 in California. *International Journal of Epidemiology*, 41(2):495-503
17. Cheslack-Postava K, **Liu Ka Y**, Bearman P (2011) Closely spaced pregnancies are associated with increased odds of autism in California sibling births. *Pediatrics* 147(2): 127:246–253
18. Yip, PS, Yip PS, Hawton K, **Liu Ka Y**, Liu KS, Ng PW, Kam PM, Law YW, Wong TW (2011). A study of deliberate self-harm and its repetition among patients presenting to an emergency department. *Crisis* 32(4): 217-224.
19. **Liu Ka Y**, King M, Bearman P (2010) Social influence and the autism epidemic. *American Journal of Sociology* 115(5): 1387–1434
20. **Liu Ka Y**, Zerubavel N, Bearman P (2010) Social demographic change and autism. *Demography* 47(2):327–343.
21. Mazumdar, S, King, M., **Liu, Ka Y**, Zerubavel, N, Bearman, P (2009) The spatial structure of autism in California, 1992-2001. *Health and Place* 16: 539-546
22. **Liu, Ka Y** (2009). Suicide Rates in the World: 1950-2004. *Suicide and Life-Threatening Behavior*. 39(2):204-13.
23. **Liu, Ka Y**, Chen, E, Cheung A, Yip PSF (2009) Psychiatric history modifies the gender ratio of suicide rates. *Social Psychiatry and Psychiatric Epidemiology* 44(2):130-4
24. Chan W, Law CK, **Liu Ka Y**, Wong P, Law YW, Yip PSF (2009) Suicidality in Chinese adolescents: the role of family and cultural influences. *Social Psychiatry and Psychiatric Epidemiology*. 44:278–284.
25. **Liu Ka Y**, Yip PSF (2009). Suicides in Mainland China. In PSF Yip (ed.) *Suicides in Asian countries*. Hong Kong: Hong Kong University Press.
26. Hedström, P, **Liu, Ka Y**, Nordvik, M (2008) Interaction domains and suicides: A population-based panel study of suicides in Stockholm, 1991-1999. *Social Forces* 87(2):713-740.
27. Cheung M, Wong P, **Liu Ka Y**, Yip PSF, Fan S, Lam TH (2008) A study of sexual satisfaction and frequency of sex among Hong Kong Chinese couples. *Journal of Sex Research* 45: 129-39
28. **Liu Ka Y**, Beautrais A, Caine E, Chan K, Chao A, Conwell Y Law C Lee D, Li P, Yip SF (2007) Charcoal burning suicides in Hong Kong and urban Taiwan – An illustration of the impact of a novel method of suicide on overall regional rates. *Journal of Epidemiology and Community Health* 61:248-53
29. Fu KW, **Liu Ka Y**, Yip PSF (2007) Predictive validity of the Chinese version of the Adult Suicidal Ideation Questionnaire: psychometric properties and its short version. *Psychological Assessment* 19:422:9
30. Cheung YB, **Liu Ka Y**, Yip PSF (2007) Performance of the CES-D and its short forms in predicting suicidality. *Suicide and Life-Threatening Behavior*, 37:79-88

31. Chen EYH, Chan W, Chan S, **Liu Ka Y**, Chan C, Wong P, Law W, Yip P (2007) A cluster analysis of the circumstances of deaths in suicides in Hong Kong. *Suicide and Life-Threatening Behavior* 37: 576-84
32. **Liu, Ka Y**, Chen E, Chan, C, Lee TS, Law YW, Yeates C, Yip PSF (2006). Socio-economic and psychological correlates of suicidality among Hong Kong working-age adults: results from a population-based survey. *Psychological Medicine* 36: 1759-68
33. Chen EYH, Chan W, Paul W, Chan SSM, Chan CLW, Law YW, Beh PSL, Chan KK, Cheng JWY, **Liu Ka Y**, Yip PSF (2006) Suicide in Hong Kong: a case-controlled psychological autopsy study. *Psychological Medicine* 36:815-25.
34. Cheung YB, Law CK, Chan, B, **Liu Ka Y**, Yip PSF (2006) Suicidal ideation and suicidal attempts in a population-based study of Chinese people: Risk attributable to hopelessness, depression, and social factors. *Journal of Affective Disorders* 90:193-6.
35. Yip PSF, **Liu Ka Y** (2006) The Ecological fallacy of gender ratio of suicide in China. *British Journal of Psychiatry* 189: 465-6
36. Yip PS, **Liu Ka Y**, Hu J, Song XM (2005) Suicide rates in China during a decade of rapid social changes. *Social Psychiatry and Psychiatric Epidemiology* 40:792-8
37. Yip PSF, **Liu Ka Y**, Law CK, Law YW (2005) Social and economic burden of suicides in Hong Kong SAR: a year of life lost perspective. *Crisis* 26:156-9.
38. Yip PSF, **Liu Ka Y**, Lam TH, Stewart SM, Chen E, Fan S (2004) Suicidality among high school students in Hong Kong. *Suicide and Life-Threatening Behavior* 34:284-93

### Consultancy

I'm a consultant for Harmony, a Silicon valley company developing a fast and secure blockchain for decentralized applications. <https://www.harmony.one/>

### Invited talks

"Determined before Birth: Obstetric Interventions and their Consequences." University of Hong Kong, Department of Sociology's Sociological Forum Series, Oct. 6, 2020  
 "Obstetrics Interventions, Neonatal Health, and Child Development." McGill University. Center on Population Dynamics's Social Statistics and Population Dynamics Seminar Series, Oct. 7, 2020  
 "Digital Demography" Summer Institute in Computational Social Science, CCPR, 2019  
 "Empirically Calibrated Simulation Experiment" Duke University, 2016  
 "Socio-demographic and spatial patterns of autism and vaccination exemptions", UC Irvine, 2016  
 "Generating the autism epidemic", Chinese University of Hong Kong, 2016.  
 "Explaining the Spatial Clustering of Non-Medical Exemptions from School Vaccination Requirements", UC Berkeley, 2016  
 "Focal Points, Endogenous Processes and Exogenous Shocks in the Autism Epidemic", Hong Kong University of Science and Technology, 2014  
 "Explaining the Autism Epidemic", University of Hong Kong, 2014  
 "Focal Points, Endogenous Processes and Exogenous Shocks in the Autism Epidemic", Network Science Workshop at Caltech, 2014  
 "Focal Points, Endogenous Processes and Exogenous Shocks in the Autism Epidemic", California Center for Population Research seminar series, UCLA, 2012

- “Focal Points, Endogenous Processes and Exogenous Shocks in the Autism Epidemic”, departmental seminar, Department of Sociology, University of Oxford, U.K., 2012
- “The social dynamics underlying the temporal and spatial patterns of autism: a simulation experiment”, invited session in medical sociology, American Sociological Association Annual Meeting, Las Vegas, 2011
- “Social Influence and the Autism Epidemic,” job talk, Department of Sociology, UCLA, Los Angeles, 2011
- “Social Influence and the Autism Epidemic,” job talk, Department of Sociology, Columbia University, 2010
- “Social Influence and the Autism Epidemic,” job talk, Department of Sociology, New York University, 2010
- “Diffusion of Autism Diagnosis”, Capturing Context Conference, Columbia University, New York. 2009
- “Interaction Domains and Suicide”, Social Network Analysis Workshop, Columbia University, New York, 2007

### **Selected Conference Presentations**

1. Population Association of America Annual Meeting, Austin, 2019. “The Diffusion of Elective Obstetric Interventions: A Population-Wide Study of New Jersey, 1997-2011”
2. International Network of Analytical Sociologists’ Annual Conference, Palo Alto, 2018. “The Diffusion of Elective Obstetric Interventions: A Population-Wide Study of 1.7 Million Births.
3. American Sociological Association Annual Meeting, Philadelphia, 2018. “Effects of Spatial Concentration of Non-medical Vaccine Exemptions on Potential Measles Outbreak Size” (with Ashley Gromis)
4. American Sociological Association Annual Meeting, Philadelphia, 2018. “Are Undocumented Immigrants More Likely to Die Unnaturally? An Analysis of 7.6 Million Death Records”
5. 11th International Network of Analytical Sociology Conference, Stanford, Palo Alto, 2018. “The Diffusion of Elective Obstetric Interventions: A Population-Wide Study of 1.7 Million Births”
6. Population Association of America Meeting, Denver, 2018. “Are undocumented immigrants more likely to die unnaturally? A population-wide study of 1.7 million death records”
7. Population Association of America Meeting, Washington DC, 2016. “Explaining the Spatial Clustering of Non-Medical Exemptions from School Vaccination Requirements”
8. International Network for Social Network Analysis Conference, Brighton, U.K., 2015. “The diffusion of vaccination Exemptions in California”
9. American Sociological Association Annual Meeting, San Francisco, 2014. "Neighborhood Interactions and Suicide: a Population-Wide Study"
10. American Sociological Association Annual Meeting, Atlanta, Georgia, 2010. “Social Diffusion and the Autism Epidemic.”

11. Population Association of America Annual Meeting. Dallas, Texas, 2010. “Social Demographic Change and Autism”
12. The 11<sup>th</sup> European Symposium on Suicide and Suicidal Behavior, Portoröz, Slovenia, 2006. “Suicide Risk after Exposure to Suicides in Social Networks: a Register-Based Study of the Adult Population in Stockholm, 1991-1999”
13. World Congress XXIII of the International Association for Suicide Prevention, Durban, South Africa, 2005. “Suicidality among the General Population in Hong Kong: Implications for Suicide Prevention Strategies”

## Teaching

### Graduate Courses

Data Analysis for the Social Sciences (Columbia: Fall 2008)  
 Intermediate Statistical Methods (UCLA: Soc 210B, Winter 2013-2018)  
 Social network methods (UCLA: 208B, Spring 2016; Spring 2017)  
 Quantitative data analysis UCLA: 212A, Fall 2016)

### Undergraduate Courses

Social Networks (UCLA Soc 111, Winter 2012, Fall 2013, Spring 2015 & Winter 2016)  
 Honors Seminar on Social networks (UCLA Soc 189, Spring 2015)  
 Seminar on Social Networks and Health (UCLA Soc 191V, Spring 2013, Winter 2014, Spring 2017)  
 Seminar on Social Influence (UCLA Soc 191V, Spring 2015)

### Mentorship

#### Field exams

Medical Sociology  
 Computational sociology

#### MA Thesis committee

##### *Chair:*

Jose Cuchilla (UCLA)  
 Angela Clague (UCLA)

##### *Committee member:*

Carsten Rietmann (UCLA)  
 Isaac Jilbert (UCLA)  
 Oscar Mayorga (UCLA)  
 Tianjian Lai (UCLA)

#### PhD dissertation committee

##### *Chair:*

Ashley Gromis (UCLA; graduated 2017. Now Post-doc researcher at Princeton University)  
 Clara Hanson (UCLA)  
 Lucrecia Mena Melendez (UCLA)

##### *Committee member:*

Cassius Chow (Hong Kong University; graduated 2016)

Ben Jarvis (UCLA; graduated 2017)

John Sullivan (UCLA)

Paul Martinez (UCLA)

Andrew Herman (UCLA)

Oscar Mayorga (UCLA)

Tianjian Lai (UCLA)

### **Co-Mentor, NIH Pathway to Independence Award (K99/R00)**

Heeju Sohn (UCLA; Primary Mentor: Anne Pebley. Other co-mentors: Stefan Timmermans, Judith Seltzer & Darby Saxbe)

## **Professional Service and Memberships**

### **Departmental**

Ad hoc Committee (2016-17; 2017-18; 2018-19)

Search Committee (2016-17; 2017-18)

Graduate Admission Committee (2012-13; 2014-15; 2015-16; 2018-19; 2019-2020)

Undergraduate Committee (2013-14)

### **Other UCLA Service**

California Center for Population Research Seminar Committee (2016-17)

Legislative Assembly representative (2017-2019)

UCLA & UC Berkeley's Depression Grand Challenge Awareness & Hope Workgroup

### **External**

**Consulting Editor**, American Journal of Sociology (2018-2019)

**Deputy Editor**, Social Science and Medicine (2016-current)

**Editorial Board Member**, Journal of Health and Social Behavior (2016-2018)

**Reviewer**, New England Journal of Medicine, British Journal of Psychiatry, Mathematical Sociology, American Journal of Sociology, Social Forces, American Sociological Review, Journal of Health and Social Behavior, PNAS, Sociological Perspectives, Management Science, and other journals.

**Reviewer**, National Science Foundation grant applications

**Invited observer**, World Health Organization's Regional Summit on Suicidal Behaviors—an expert meeting from the Western Pacific Region, Manila, 2006

**Member**: Population Association of America, American Sociological Association (Medical Sociology section) and International Network for Social Network Analysis (INSNA).