ANNABEL XULIN TAN

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SUMMARY

Aspiring epidemiologist with 5 years' work experience in public health. Interests include aging, cardiovascular disease, and using advanced statistical methods to address chronic diseases. Avid creative writer, reader and Masterchef wannabe.

EDUCATION

Yale University, New Haven, CT *Aug 2013 - May 2015*
Master of Public Health (MPH)
Department of Chronic Disease Epidemiology & Global Health concentration

Imperial College London, UK *Sep 2006 - Oct 2010*
Bioengineering (MEng) Graduated with Upper Second Class Honors

PROFESSIONAL EXPERIENCE

Stanford School of Medicine, CA Dec 2018 - present
Epidemiology Research Associate

- Design and conduct statistical analysis on several studies incl. Cardiovascular Heart Study (CHS) data investigating frailty and cardiovascular disease (publication pending); using marginal structural models to investigate hypertension medication use among older adults.

- Manage grant effort totalling $800k incl. budget development, rebudgeting, documenting expenditures, grant compliance and working with Office of Sponsored Research.

- Co-lead lab expansion: support PI with grant writing process, hiring of new personnel, and overall lab operations.

Yale School of Public Health, CT Jun 2015 - Jun 2018
Program Manager

- Managed and conducted statistical analyses for longitudinal health outcomes research projects incl data management and novel network analyses.

- Facilitated and managed data collection for US-based health outcomes project (N=300), conducting qualitative interviews and web surveys.

- Spearheaded collaboration between Yale and National Health Service UK clients. Raised satisfaction rating by 20%. Responsible for preparing complex client deliverables including programmatic documents, technical memoranda, and coordinating a program impact evaluation in time sensitive fashion.

Vassar College, NY Sep 2017 - Dec 2017
Consulting Data Scientist

- Built regression models to analyze longitudinal admissions data from years 2013-2017, presented findings to President of Vassar College and Board of Trustees.

National Institute of Medical Research, Tanzania May 2014 - Aug 2014
Principal Investigator

- Designed, wrote and published epidemiological study that described HIV-risk behaviors among drug users in Tanzania, using $5000 grant from the Yale Global Health Field Experience Award. Resulted in a first author publication in PLoS One.

Duke-NUS Medical School, Singapore Jan 2011 - Jun 2013
Research Assistant

- Led calcium imaging experiments, supported data analysis on Matlab. Managed the daily operations of a neuroscience lab by organizing purchase order requests, safety training and lab meetings.

TEACHING EXPERIENCE

Yale University, New Haven, CT *Fall 2014*
HLTH 230 - Global Health: Challenges & Promises
Role: Graduate Teaching Assistant
Section size: 30

Yale University, New Haven, CT *Spring 2014*
BENG 100 - Introduction to Bioengineering
Role: Graduate Teaching Assistant
Section size: 20

PUBLICATIONS

Tan, A.X., Odden, M.C, et al (*in preparation*) Association between Cardiac Mechanics and Frailty in the Cardiovascular Health study

Garg, P, **Tan, A.X.**, Odden, M.C, et al (*in preparation*) Brachial flow-mediated dilation and risk of dementia: The Cardiovascular Health Study

Brewster, A.L., **Tan, A.X.**, Yuan, C.T. (2019) Development and application of a survey instrument to measure collaboration among health care and social services organizations. Health Services Research; 00: 1– 9.

Brewster, A. L., Yuan, C. T., **Tan, A.X.**, Tangoren, C. G., Curry, L. A. (2019). Collaboration in Health Care and Social Service Networks for Older Adults. Medical Care, 57(5), 327-333.

Fetene, N., Canavan, M. E., Megentta, A., Linnander, E., **Tan, A.X.**, Nadew, K., Bradley, E. H. (2019). District-level health management and health system performance. PLoS one, 14(2), e0210624.

Brewster, A. L., Brault, M. A., **Tan, A.X.**, Curry, L. A., Bradley, E. H. (2018). Patterns of collaboration among health care and social services providers in communities with lower health care utilization and costs. Health Services Research, 53, 2892-2909.

Brault, M. A., Brewster, A. L., Bradley, E. H., Keene, D., **Tan, A.X.**, Curry, L. A. (2018). Links between social environment and health care utilization and costs. Journal of Gerontological Social Work, 61(2), 203-220.

Taylor, L.A.*, **Tan, A.X.***, Coyle, C.E., Ndumele, C., Rogan, E., Canavan, M., Curry, L.A. Bradley, E. H. (2016). Leveraging the social determinants of health: what works?. PLoS One, 11(8), e0160217.

Tan, A.X., Kapiga, S., Khoshnood, K., Bruce, R. D. (2015). Epidemiology of drug use and HIV-related risk behaviors among people who inject drugs in Mwanza, Tanzania. PLoS one, 10(12), e0145578.

TECHNICAL STRENGTHS

Languages	R, SAS, Stata, Python, Matlab
Software & Tools	MS Office, LaTeX