

Jane Liang

📍 Boston, MA, United States
✉ jwliang@g.harvard.edu
🏠 janewliang.github.io

Research Interests

Statistical genetics, machine learning, and computational problems in high dimensions.



Education

Aug 2017 - Present	Doctor of Philosophy in Biostatistics Harvard T.H. Chan School of Public Health Boston, MA
Aug 2012 - Dec 2015	Bachelor of Arts in Statistics, with Honors University of California, Berkeley Berkeley, CA Supervisor: Haiyan Huang, PhD Honors thesis: <i>Comparing Dependence Measures Using Simulation Studies</i> Course thread in Sciences and Society

Professional and Research Experience

Oct 2016 - July 2017	Scientific Research Programmer Division of Biostatistics, Department of Preventive Medicine, University of Tennessee Health Science Center Memphis, TN Supervisor: Saunak Sen, PhD Matrix linear models for high throughput data Maintaining high performance computing systems for division
Jan - Sept 2016	Programming Analysis Associate Kaiser Permanente Pleasanton, CA Information technology rotations
May - July 2015 & May - Aug 2014	Summer Student Researcher Department of Epidemiology and Biostatistics, University of California, San Francisco San Francisco, CA Supervisor: Saunak Sen, PhD Matrix linear models for high throughput data Lung function reference equations for Puerto Rican children QTL analysis of mice with non-alcoholic fatty liver disease

Oral and Poster Presentations

June 23 2017	Matrix linear models for high-throughput data (lightning talk)  JuliaCon  <i>Berkeley, CA</i>
Oct 5 2014	PFT reference equations for Puerto Rican children Third Respiratory Congress: Challenges for a Healthy Breathing <i>San Juan, PR</i>




Teaching Experience

Jan - May 2015	Lab Assistant Department of Statistics, University of California, Berkeley <i>Berkeley, CA</i> Supervisor: Deborah Nolan, PhD STAT 133: Concepts in Computing with Data
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Honors and Awards

Dec 2015	Phi Beta Kappa University of California, Berkeley <i>Berkeley, CA</i>
Dec 2015	Distinction in General Scholarship University of California, Berkeley <i>Berkeley, CA</i>

Competitive Travel and Conference Support

June 20-24 2017	JuliaCon  <i>Berkeley, CA</i> Diversity speaker travel support
Feb 8-10 2017	Workshop on the Interface of Statistics and Optimization (WISO)  Statistical and Applied Mathematical Sciences Institute (SAMSI) <i>Durham, NC</i> Travel support
Oct 16-22 2016	Short Course on Systems Genetics  The Jackson Laboratory <i>Bar Harbor, ME</i> Tuition scholarship

Skills

High proficiency: R, Julia, Python, C++, LaTeX, Git, Mercurial, Linux environments
Some proficiency: Java, MATLAB, web scraping