

Samuel Tracy

Phone: (916) 764-9002 Email: stracy@g.harvard.edu Web: <https://seasamgo.github.io>

Ph.D. student in Biostatistics at Harvard University focusing on methods for failure time data and single-cell sequencing data. My advisor is Dr. Guo-Cheng Yuan. Interests include sampling techniques, optimization theory, missingness, clustering methods, and dimensionality reduction. I am also an advocate for open-source development, reproducible research and diversity in STEM.

EDUCATION

Ph.D. Biostatistics	Harvard University	2019 ¹
M.A. Biostatistics	Harvard University	2016
B.S. Applied Mathematics, <i>magna cum laude</i>	UC San Diego	2014

SKILLS

R, Stata, MATLAB	–	highly proficient
Java, C++, Python	–	proficient

PROFESSIONAL EXPERIENCE

Research Consultant	<i>Harvard University, Boston, MA</i>	09/2017 - present
Department of Biostatistics Consulting Center		
Student Intern	<i>CTRI, San Diego, CA</i>	04/2013 - 06/2013
Clinical data visualization and analysis		

TEACHING EXPERIENCE

Teaching Assistant	<i>Harvard University, Boston, MA</i>	01/2016 - present
Introductory Biostatistics courses		
Instructor/Administrator	<i>StatStart, Boston, MA</i>	01/2015 - 08/2017
Summer high school program in statistical computing for minorities in STEM		
Teaching Assistant	<i>UC San Diego, San Diego, CA</i>	09/2013 - 06/2014
MATH 10 Calculus series		
Academic Liaison	<i>Fallbrook High, Fallbrook, CA</i>	01/2013 - 03/2013
Tutor and liaison through the UC San Diego Educational Studies Department		

PUBLICATIONS

Talbot, O., Ocampo, A., Tracy, S., Mosesso, K., Rahman, A., and Pagano, M. StatStart 2015. *ASA: The Statistics Teacher Network*, 87: 4-8, 2016.

¹anticipated

PROJECTS

Chen, T., Tracy, S., Uno, H. Minimal-area confidence bands for failure time data.

Tracy, S., Dries, R., Yuan, G.C. scRNA-seq dropout imputation via subsampling of genes.

Tracy, S., Yuan, G.C. Scoring lineage prediction with single-cell data.

SOFTWARE

Co-creator and maintainer of the R package `optband` (on CRAN and GitHub), a package for statistical confidence bands applied to failure time data and optimized by area.

REFERENCES

Yuan, Guo-Cheng

Associate Professor, Department of Biostatistics, Harvard T.H. Chan School of Public Health

Address: 360 Longwood Ave, Room 1060, Boston, MA 02215

Tel: 617-582-8532 Email: gcyuan@jimmy.harvard.edu

Xu, Ronghui

Professor, Department of Mathematics, University of California, San Diego

Address: 9500 Gilman Drive #0112, La Jolla, CA 92093

Tel: 858-534-6380 Email: rxu@ucsd.edu