Making Sense of Data.

Learn more about
Doctoral and Master's Programs in Biostatistics at the Harvard T.H. Chan School of Public Health

Diversity

Our students' graduate school experiences and biomedical research more broadly are enriched and enhanced by a diverse community of researchers. The Harvard T.H. Chan School of Public Health and our Department are committed to diversity at all levels, and we welcome applications from underrepresented minority, women, disabled, and economically-disadvantaged students.

Funding

All doctoral students in good standing receive full support (tuition, health fees, and stipend) for 4-5 years. Support comes from a variety of sources – NIH training and research grants, teaching fellowships, and competitive scholarships. All doctoral students are encouraged to apply for external funding such as NSF and NDSEG fellowships, which often award stipends higher than those provided by the department.
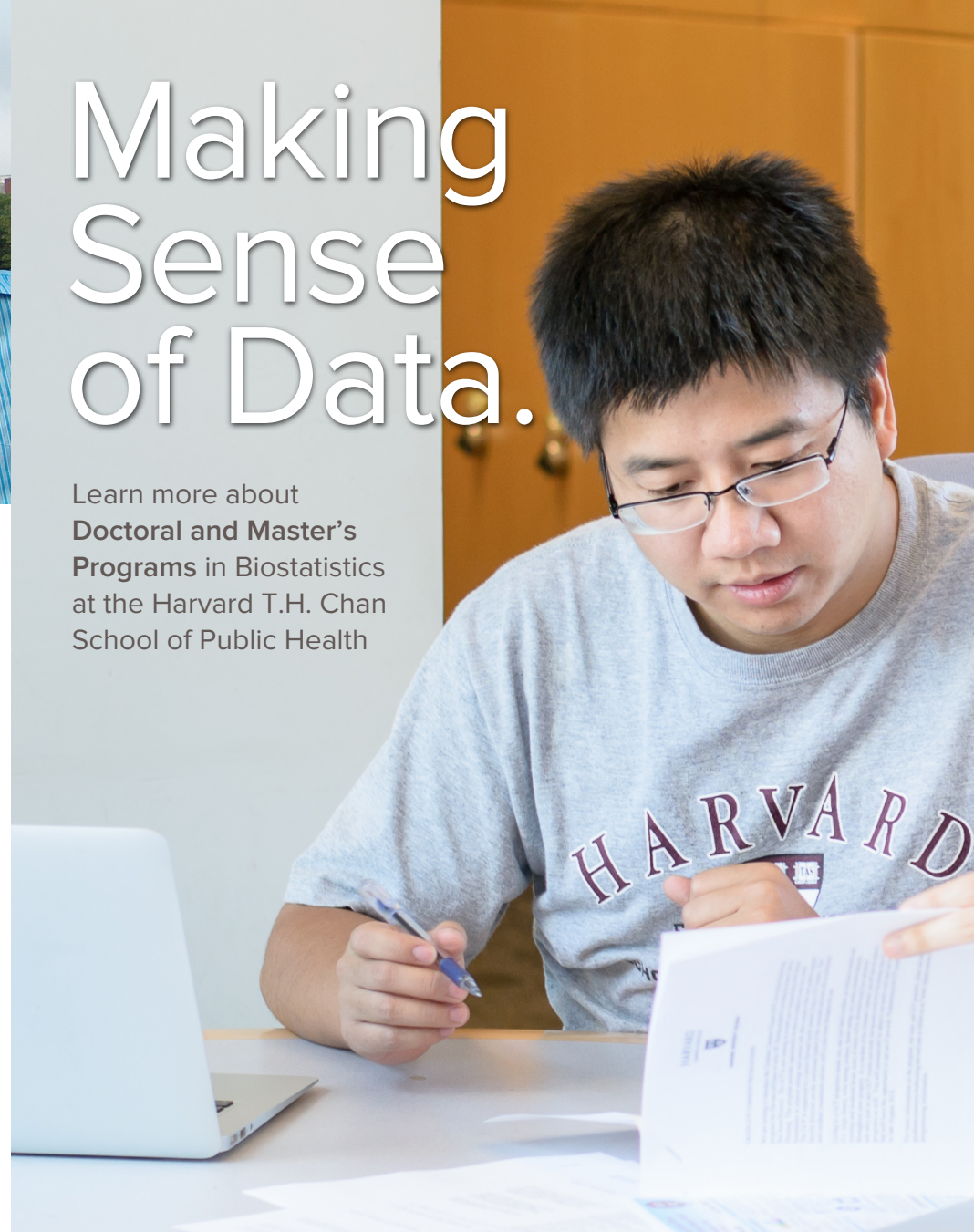
Funding for master's students is limited, and all applicants are encouraged to apply for outside scholarships. The Department will try to match master's applicants with competitive Harvard scholarships in the area of their research interest, and master's students are encouraged to find part-time research or teaching assistantships.

For more information about the Department of Biostatistics, requirements for admission, and application procedures:

www.hsph.harvard.edu/biostatistics

powerful ideas for a healthier world

HARVARD T.H. CHAN | **SCHOOL OF PUBLIC HEALTH**
Department of Biostatistics

Biostatistics at Harvard

PhD Program

The doctoral program is designed for students who have demonstrated interest and ability in scholarly research. It provides rigorous training in **statistical theory**, along with practical experience working with faculty engaged in research at SPH and in world-class Harvard-affiliated hospitals and institutions.

Major Areas of Application

- Cancer
- The Environment
- Genetics
- HIV/AIDS
- Infectious Diseases
- Neurology
- Computational Biology
- Bioinformatics

"I have had the tremendous opportunity to meet and work with world class leaders in the field of Biostatistics...I have had a great experience here"

Matey Neykov, Ph.D.'15

Master of Science Programs

The department offers 5 master's degrees programs, designed for students with varying backgrounds and goals.

60-credit Master of Science in Biostatistics
Designed to prepare students with a quantitative undergraduate degree for applied research positions in universities, hospitals, and industry. Requirements include 40 credits of coursework and a 10-20 credit collaborative research practicum.

80-credit Master of Science in Biostatistics
Provides students with rigorous training in biostatistics and prepares them for methodological or applied research positions. Requirements include 50 credits of core biostatistics/bioinformatics coursework, plus 30 credits of elective courses.

42.5-credit Master of Science in Biostatistics
Designed for students who have a prior master's degree or doctoral degree in a quantitative field.

80-credit Master of Science in Computational Biology & Quantitative Genetics
Prepares students for careers as bioinformatics analysts or engineers. Requirements include 55 credits of coursework and a 10-20 credit Collaborative Research Thesis that provides students with real-world experience doing research in Boston's premier biomedical institutions.

60-credit Master of Science in Health Data Science
Designed to provide rigorous quantitative training and essential computing skills needed to manage and analyze health science data to address important questions in public health and biomedical sciences. Requirements include an intensive semester-long course (7.5 credits) during the third semester where students collaborate on a data driven research project.

- High-dimensional Data Analysis
- Clinical Trial Design & Evaluation
- Bayesian Inference
- Causal Inference
- Statistical Genetics
- Personalized Medicine
- Surveillance
- Network Analysis

Fields of Research