




Tom Hopper

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DATA SCIENCE + PUBLIC POLICY

I am a housing professional who brings data science to public policy analysis. My writing and data visualizations aim to clearly and effectively communicate complex research to a broad audience. Good policy outcomes stem from well-communicated facts, and I strive to be a good messenger.

PROFESSIONAL EXPERIENCE

Massachusetts Housing Partnership 2006 > Current

**Director of Research & Analytics +
Co-Director, Center for Housing Data**
*Prior roles: Senior Operations & Analytics Manager; Portfolio Program Manager;
Portfolio Operations Manager; Portfolio Assistant*
Conduct analysis relating to Massachusetts housing policy, particularly the relationship of demographics, housing supply and affordability to the health of the state economy and equity. Includes dynamic modeling, machine learning, geostatistics, data mining, and data visualization.

Develop effective messaging, produce web materials, and make public presentations to educate practitioners, public officials and the general public about significant housing trends.

Identify gaps in data needed to support state housing policy and to improve the development and operation of affordable housing in Massachusetts.

Boston University 2012

Graduate Assistant
Prepared a protocol for a community-based participatory research to be implemented in Mirebalais, Haiti.

John Wiley & Sons 2005 > 2006

Editorial Assistant
Prepared manuscripts for publishing in the first edition of Landscape Architectural Graphic Standards. Co-authored chapter on graywater & wastewater management.

Law Office of Barbara J. Berwitz 2004 > 2006

Legal Assistant
Drafted accounting reports for an attorney specializing in guardianship law

EDUCATION

Northeastern University
Master of Science, Urban Informatics

Boston University
Master of Arts, City Planning
Bachelor of Arts, Economics

**Fiorello H. LaGuardia High School of
Music & Art and Performing Arts**

SKILLS

Professional

Data Analysis
Data Management
Statistical Modeling
Qualitative Research
Public Speaking
Risk Analysis
Communication
Creativity
Leadership

Technical

GIS (ESRI/QGIS) ●●●●●
R ●●●●●
SQL ●●●●●
VisualBasic ●●●●●
Excel ●●●●●
STELLA ●●●●●
SPSS ●●●●●
HTML/CSS ●●●●●
Python ●●●●●