

ELIZABETH TIGHE

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SUMMARY

As a Research Scientist at Brandeis University, I lead a large data analysis project designed to estimate small ethnically & religiously defined groups in the United States, with a focus on the Jewish population. I have experience with national surveys in health, education & social behavior, international sources of data on population dynamics, & the evaluation of community-based programs for at risk populations.

Specialties: Quantitative and qualitative research design and data analysis in the social sciences; Survey methods and analysis; Advanced data analysis: Bayesian multilevel modeling, meta-analysis, causal modeling, factor analysis, regression, logistic regression.

Skills: *Statistical Software:* SPSS, Stata, R (dplyr, rstan, tidyverse; tidycensus, lme4), Stan; *Mapping:* ArcGIS Pro; *Microsoft Office:* Word, Excel, PowerPoint, Access; *Operating systems:* Windows, Linux Debian/Ubuntu.

PROFESSIONAL EXPERIENCE

JULY 2007 – PRESENT

Research Scientist, Center for Modern Jewish Studies, Brandeis University, Waltham, MA

- Co-Principal Investigator & Project Director, the American Jewish Population Project. Planned, implemented, and provided project leadership in a large-scale data synthesis designed to provide detailed demographic profiles of the US Jewish population. (<https://ajpp.brandeis.edu/>)
- Co-Principal Investigator & Project Director, Profile of the US Jewish Electorate, funded by the Jewish Electorate Institute. Conducted custom analysis to provide population profiles & political orientation of Jewish adults in the 435 districts of the 116th Congress.

APRIL 2013 – SEPTEMBER 2020

Scientist Member, Brandeis Committee for the Protection of Human Subjects, Brandeis, Waltham, MA

- Provided expert review of the protection of the rights and welfare of human research subjects in research conducted or sponsored by the University.

MAY 1998 – JUNE 2007

Sr. Research Associate, Heller School for Social Policy and Management, Brandeis University, Waltham, MA

- Co-Investigator, National Evaluation of *Fighting Back*, a national community-based substance abuse harm reduction program funded by the Robert Wood Johnson Foundation. Directed technical assistance in local evaluation.
- Co-Investigator/Project Director, Evaluation of *Connecting Families*, a child abuse prevention program funded by the Massachusetts Society for the Prevention of Cruelty to Children.
- Co-Investigator, International Comparisons of Neediness among Jewish Holocaust Survivors, review and analysis of international sources of data to describe neediness in the United States, Israel, and the Former Soviet Union funded by the American Joint Distribution Committee.
- Survey Director, Survey to assess factors related to the adoption of Buprenorphine for treatment of opiate addiction funded by the National Institutes for Drug Abuse.

EDUCATION

Brandeis University, MA: Doctor of Philosophy, Developmental/Social Psychology

Carnegie Mellon University, PA: Bachelor of Science, Psychology