

Dawn Graham

Data Scientist

Boston, MA
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Skills

Technical / Python - Data Wrangling - Web Scraping - Data Analysis - Data Visualization - Machine Learning - Natural Language Processing - Tableau - SQL - HTML/CSS - Git/GitHub

Additional / Project Management - Participatory & Human-Centered Design - Advocacy - Curriculum Development - Facilitation - Research - Graphic Design

Selected Experience

Data Engineer (Data Engineering Development Program) / Jul 2019 - Present
MASSMUTUAL, BOSTON, MA

Developing skills in a 15-month experiential learning program that combines trainings, mentorship, coursework, and contributions to high impact projects. Focus areas include building and maintaining data structures and databases, data mining and warehousing, designing processing systems and algorithms, enabling machine learning, and security and compliance. As part of the first program cohort, provide actionable feedback to improve and shape the experience for future cohorts.

Data Science Fellow / Oct 2018 - Feb 2019
GENERAL ASSEMBLY, BOSTON, MA

Completed 480-hour immersive program to apply statistics, programming, data analytics, and modeling skills in different real-world contexts. Created a regression model to predict real estate sale prices. Used natural language processing to classify fake news headlines. Identified power outages through social media activity using time series analysis and natural language processing for a client project. Used web scraping, sentiment analysis, and regression modeling to identify predictors of active timebanks. Gained experience with clustering, decision trees, Bayesian inference, and more.

Media & Prevention Specialist / Oct 2015 - Oct 2018
WAYSIDE YOUTH & FAMILY SUPPORT NETWORK, WATERTOWN, MA

Synthesized data from focus groups, surveys, events, and web analytics to derive understandings about programs, priorities, and actionable steps. Aligned Youth Risk Behavior Survey questions across four communities to improve insights between local, state, and national data. Guided development of a social media campaign through surveys, data analysis, and A/B testing. Facilitated youth project to map proximity of tobacco retailers to teen hangouts that helped influence changes to local tobacco control regulations. Trained youth in interpretation and ethical use of data.

Other

Contributing Writer / *Towards Data Science* magazine / Nov 2018 - Present

Volunteer / Code for Boston, Safe Drinking Water & Clean Slate Projects / Dec 2018 - Present
/ Data for Black Lives II conference at MIT Media Lab, Cambridge, MA / Jan 2019

Education

Boston University / Database Management & Business Intelligence Graduate Certificate
BOSTON, MA (currently enrolled)

University of Vermont / Graduate Coursework in Transformative Social Work
BURLINGTON, VT