

# ANNIE BISHAI

## Data Scientist, Editor

Brooklyn, New York  
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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

*Passionate, detail-oriented problem solver with experience at the intersection of data, politics, and the humanities. Always thinking critically and creatively, I apply analytics and machine learning tools to help organizations maximize their impact.*

### SKILLS

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Python, Tableau, SQL, Pandas, Geopandas, Scikit-Learn, Keras, NLTK, PySpark, Git, Google Cloud Platform  
Machine Learning, Natural Language Processing, Data Visualization, Data Analysis, Big Data  
Copywriting, Copy Editing, Grant Writing, Professional French

### PROJECTS

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#### NYC Environmental Quality and Wealth Distribution - [GitHub](#) | [Demo](#)

Using Geopandas, Python, and Tableau, I examined historical data on air pollution and street trees in New York City, and the relationship between environmental quality and residential wealth. I fitted a Random Forest Regressor model to predict local median household income based on environmental variables.

#### COVID-19 Vaccination and Politics - [GitHub](#) | [Demo](#)

Using Pandas and Scikit-Learn, my team and I explored the relationships among COVID vaccinations, vaccine hesitancy, and 2020 presidential election results in US counties. We used a KMeans clustering model to group counties by metrics of vaccination progress and demographics; then we built a Stacking model that predicted counties' 2020 presidential results with 91% accuracy based on vaccination rates and demographic data.

### EXPERIENCE

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#### General Assembly

Data Science Immersive

Remote | 01/2022 – 04/2022

Acquired hands-on proficiency in Python and high-demand tools for machine learning, data analysis, data visualization, and big data. Applied analytics and modeling to data on healthcare, politics, and the environment.

#### Penguin Random House

Assistant Editor, Alfred A. Knopf

New York, NY | 07/2017 – 08/2021

Acquired three titles for publication. Edited fiction and nonfiction titles. Wrote copy for book jackets and web. Coordinated publication process with authors, agents, and in-house production team.

#### Harvard Book Store

Bookseller / Print-on-Demand Assistant

Cambridge, MA | 07/2015 – 06/2017

Managed daily operation of the store's Print on Demand (POD) service; spearheaded the expansion of POD marketing into Instagram.

#### Mali Health

Development Intern

Cambridge, MA | 05/2014 – 03/2015

Wrote grant reports to secure funding for community health programs in Bamako. Supported monitoring & evaluation initiatives. Designed functional print materials for community health workers.

### EDUCATION & CERTIFICATIONS

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#### Harvard University

Bachelor of Arts in History & Literature, *cum laude*

Cambridge, MA | 2011 - 2015

#### General Assembly

Certificate in Data Science

Remote | 2022