

# MELONIE CROFT

## Currently searching for a Data Analyst position

Dynamic data analyst with growing fluency in R, Python, and Tableau. Demonstrated ability to prepare and analyze data, while providing actionable insight through statistical analysis. Adept at leveraging critical thinking, visualization, and communication skills to effectively present findings to a wide range of audiences.



## EDUCATION

May  
2023

### American University

M.A. in International Development

Washington, DC

Relevant Courses:

- *Data Analysis*
- *Statistics, Research Design, and Research Methods*

2020

### University Maryland, Baltimore County

B.A. in Political Science

Baltimore, Maryland

Minor: Africana Studies

Certificate: French



## PROJECTS

2023

### Data Analysis and Visualization

American University

Washington, DC

- Produced an audio-visual PowerPoint presentation exploring conflict-climate migration. Generated multiple plots using *patchwork*.
- Analyzed "Urban Social Disorder" data to understand mobilization and violence trends in the Global South. Created a professional slide deck using *RMarkdown* and *Xaringan* library.
- Performed chi-squared statistical analysis to assess the relationship between villages and livelihood outcomes in Somalia. Presented findings in *posterdown* in *RMarkdown* and utilized *kableExtra* and *tidyverse* packages to generate highly customized tables and graphic visualizations.

2023

### Codebook

American University

Washington, DC

- Cleaned, appended, and reshaped large data set on "Sexual Violence in Armed Conflict" to produce a codebook that clearly communicates the contents, structure, and layout of the data.

2022

### Statistical Analysis

American University

Washington, DC

- Generated and presented multivariate regression analysis on the gendered impact of brain drain in international migration using R Studio.

# MC

## CONTACT INFO

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For more information,  
please contact me via  
email.

## SKILLS

Experienced in statistical  
analysis and data  
visualization in R and  
Tableau

R and Python Language -  
data cleaning, munging,  
and wrangling

Highly skilled in utilizing  
**dplyr**, **tidyr**, **kableExtra**,  
and **ggplot2** packages  
and **RMarkdown**  
documents

Advanced organizational  
proficiency in Microsoft  
Excel, SharePoint, and  
Salesforce

Languages: fluent  
Amharic, intermediate  
French, conversational  
Spanish



## PROFESSIONAL EXPERIENCE

2022

### Program Associate, intern

Horn of Africa Youth Network

📍 Nairobi, Kenya

- Cleaned and analyzed raw survey data to inform programming on youth economic empowerment initiatives.
- Led projects to collect and synthesize global migration policy documents.
- Ensured team workflow efficiency by managing internal tracking system of client deliverables and donor requirements.

2021

|  
2022

### Records Specialist

City of Takoma Park

📍 Takoma Park, Maryland

- Effectively managed Maryland Public Information Act (MPIA) records and requests.
- Generated a report analyzing information and records management metrics to improve performance.
- Searched, identified, and exported data utilizing Google Vault.
- Streamlined records inventory system and data entry using Excel Macros.