JOHN MATHENA

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SKILLS

Programming: R, Python, SQL, VBA
Data Visualization: R Markdown, R Shiny, Plotly, ggplot, PowerBI, HTML/CSS
Cloud and Databases: AWS RDS, MySQL, SQLite
Foreign Languages: Arabic (Modern Standard, Egyptian, Moroccan dialects), Spanish

EXPERIENCE

DATA MANAGER – *Mar 2021 - Present*
211 Maryland / Columbia, MD (remote)

- ❖ Centralized millions of call records for publicly available reports using AWS RDS for MySQL
- ❖ Build PowerBI Reports to allow organizations and public data consumers to analyze data
- ❖ Write data dictionaries for metrics collected by network call centers
- ❖ Design and manage SharePoint page hosting reports, dashboards, and tables containing relevant data
- ❖ Analyzed compiled data from 211 calls and the Census to inform advertising strategy in underserved areas of the state

COMMUNITY LIAISON AND ANALYST – *Jan 2020 – Mar 2021*
Office of the State's Attorney for Baltimore City / Baltimore, MD

- ❖ Compiled and visualized data on thousands of active court cases using Google Maps to keep public informed
- ❖ Mapped dozens of crimes using Google Earth to aid Attorneys and other Analysts in advancing criminal investigations
- ❖ Calculated rate of agreement between prosecutors' bail recommendations and judges' decisions using Excel to inform pretrial bail recommendation policy
- ❖ Trained other liaisons in court case data management in Excel to ensure citywide coverage and consistent data quality

IMMIGRATION SERVICES ANALYST – *Jan 2019 – Jan 2020*
National Records Center, USCIS, DHS / Lee's Summit, MO

- ❖ Improved search for hundreds of files each day using Excel VBA which saved project managers multiple hours of manual search
- ❖ Automated KPI calculation for analyst performance review, reducing manual evaluation preparation
- ❖ Conducted data retrieval on 30+ immigration files daily

ANALYST – *Oct 2018 – Jan 2019*
Health Informatics, Lawrence Douglas County Public Health / Lawrence, KS

- ❖ Visualized average length of stay and average client intake in LDCHD Clinic for over 10,000 encounters in 2017 using R Markdown
- ❖ Built map in ArcGIS to visualize addresses of clinic patients across the city grouped by type of clinic visit
- ❖ Wrote R script to automate data formatting and analysis for monthly entry into DAISEY reporting system, reducing days of work to just an hour or two

EDUCATION

BACHELOR OF ARTS, (2) Linguistics, Arabic Studies – *May 2018*
University of Maryland