Eboni K. Lee, MSc
Senior Data Analyst | Analytics & Data Strategy
https://eklee151.github.io/

Senior data and analytics professional specializing in scalable data systems, NLP-driven analysis, and executive-ready insights that support evidence-based decision-making in mission-driven and public sector organizations. Skilled in Python, SQL, cloud analytics, experimentation design, program evaluation, and AI-assisted analytics workflows that accelerate reporting and insight generation. Known for translating complex data into actionable insights, strengthening data governance, and driving measurable social impact.

Core Skills

Programming & Data Processing	Python, SQL, Pandas, NumPy, Jupyter Notebooks
Machine Learning & AI	NLP, Scikit-Learn, AI-Assisted Analytics, LLM Prompt Engineering
Analytics & Experimentation	Statistical Analysis, Experimentation Design, KPI Development, Performance Measurement
Data Infrastructure & Cloud	BigQuery, Google Cloud Platform, Git
Data Visualization & Reporting	Looker Studio, Tableau, Dashboard Development
Research & Communication	Research & Survey Analysis, Analytical Storytelling, Stakeholder Communication

PROFESSIONAL EXPERIENCE

Accelerate Change
Head of Data Analytics, November 2023 - January 2026
- Built and maintained scalable analytics pipelines and 6+ Looker Studio dashboards processing over 2M rows of data, enabling real-time monitoring of program outcomes and performance across multiple partner organizations
- Designed and facilitated a cross-organizational data working group ("Query Crew") to improve collaboration around reporting standards, data definitions, and analytical practices
- Partnered across departments to define KPIs, track performance metrics, and deliver executive-ready insights across programs and initiatives
- Led the migration from third-party analytics platforms to an in-house Google BigQuery and Looker Studio reporting system, improving data governance, security, and reducing costs by $50K+ annually
- Developed 10+ Python and SQL-based workflows to clean, validate, and standardize multi-source datasets, improving data accuracy, reliability, and reporting efficiency
- Leveraged AI-assisted development workflows (Google Gemini, ChatGPT) to accelerate Python scripting to accelerate Python scripting, consolidate research inputs, and streamline report drafting while maintaining full ownership of analytical design and validation
- Managed large-scale data collection initiatives across 7+ partner organizations, ensuring consistent reporting, high data quality, and clear communication of program impact to leadership and funders
- Supported survey research, experimentation design, and performance evaluation, improving the organization's ability to measure outcomes and optimize initiatives
- Produced executive-ready reports, dashboards, and evaluation summaries supporting strategic planning, funding renewals, and program improvement initiatives
- Mentored analytics peers and contractors on best practices in data integrity, reporting standards, and analytical storytelling
- Delivered 5+ trainings and documentation resources on new reporting processes and best practices, improving organization-wide data literacy

ZERO TO THREE, *Data Analyst, National Center on Early Childhood Development, Teaching, and Learning (NCECDTL),* February 2021 – November 2023
- Conducted NLP-driven thematic analysis on 80,000+ qualitative data points, identifying key program trends that directly informed training priorities and strategic planning for the following grant cycle
- Developed Python code that reduced evaluation data cleaning and recoding time to under one second
- Built 2+ interactive dashboards in Tableau and Looker Studio, enabling stakeholders to easily visualize and interpret complex data from surveys and Google Analytics
- Produced two protocol manuals that standardized data retrieval processes and improved team efficiency
- Led or supported the creation of 25+ executive-facing reports, infographics, and data summaries to support leadership, funders, and cross-functional partners
- Led equity-focused evaluation initiatives, evaluating access, service outcomes, and program effectiveness across diverse populations
- Gave 2 presentations on topics related to equity and data to 100+ early childhood education staff

Child Care Aware of America, *Army Child Care Coordinator,* June 2017 – September 2018
- Served as primary liaison for 1,500+ families seeking government child care fee assistance, ensuring accurate interpretation of policies and eligibility requirements
- Determined applicant eligibility and calculated financial assistance rates in compliance with government regulations and funding guidelines
- Conducted data quality checks and case record audits to maintain accurate client files and reliable program records
- Maintained detailed documentation and case notes to support audits, reporting, and service delivery
- Provided case management and technical assistance to families navigating public benefits and services
- Served as a Health Equity Champion, advocating for fair access to benefits and inclusive service delivery

City, University of London (now City St George's, University of London), London, UK | 2018-2019
MSc Clinical, Social and Cognitive Neuroscience; City Students' Union Program Representative

Pepperdine University, Malibu, CA | 2013-2017
B.A. Psychology; Posse Foundation Leadership Scholarship

TECHNICAL TRAINING & PROJECTS

General Assembly
Data Science Immersive Fellow, 2020
- Completed 30+ hands-on labs and applied projects using Python and data science best practices (Pandas, NumPy, Scikit-Learn, Matplotlib)
- Built an NLP classification model using TF-IDF vectorization, achieving 89% accuracy in categorizing Reddit posts
- Developed a predictive health risk model using Adverse Childhood Experiences (ACEs) and demographic data, achieving 70%+ prediction accuracy
- Created and deployed a Flask web application with Bootstrap and HTML to present model outputs in a user-friendly interface
- Presented analytical findings from 5+ projects to both technical and non-technical audiences, translating complex results into actionable insights

CERTIFICATIONS & AWARDS

- Undergraduate Straus Institute Certificate in Conflict Management | Pepperdine University | 2017
- Kaggle BIPOC Data Science Grant Program | 2021
- Tableau Visual Analytics | October 2021