

Eboni K. Lee, MSc
Senior Data & Analytics Professional
<https://eklee151.github.io/>



Senior data and analytics individual contributor with experience building scalable data systems, delivering executive-level insights, applying NLP and machine learning to large datasets, and supporting strategic decision-making across nonprofit, public sector, and mission-driven organizations. Skilled in Python, SQL, cloud analytics, experimentation, program evaluation, and stakeholder communication. Known for translating complex data into actionable insights, improving data quality and governance, and driving measurable impact through analytics.

Core Skills

Python
SQL
BigQuery
Pandas
NumPy
Scikit-Learn
NLP
Google Cloud Platform

Machine Learning
Statistical Analysis
Experimentation
Looker Studio
Tableau
Data Visualization
Dashboard Development
Git

Data Strategy
Insights & Reporting
KPI Development
Performance Measurement
Research & Survey Analysis
Stakeholder Communication
Analytical Storytelling
Jupyter Notebooks

PROFESSIONAL EXPERIENCE

Accelerate Change

Head of Data Analytics, November 2023 - January 2026

- Built and maintained scalable analytics pipelines and dashboards processing 2M+ rows of data to support leadership decision-making and organizational strategy
- Partnered with cross-functional teams 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 cloud-based reporting system, improving data governance, security, and reducing costs by \$50K+ annually
- Developed Python and SQL-based workflows to clean, validate, and standardize multi-source datasets, improving data accuracy, reliability, and reporting efficiency
- Conducted NLP-driven thematic analysis on 100,000+ qualitative data points, uncovering insights to inform program strategy and impact measurement
- Built dashboards in Looker Studio to monitor trends, identify risks, and highlight growth opportunities
- Supported survey research, experimentation design, and performance evaluation, improving the organization's ability to measure outcomes and optimize initiatives
- Mentored analytics peers and contractors on best practices in data integrity, reporting standards, and analytical storytelling

ZERO TO THREE, *Data Analyst*, *National Center on Early Childhood Development, Teaching, and Learning (NCECDTL)*, February 2021 – November 2023

- Analyzed large-scale survey and program datasets using Python to measure outcomes, identify trends, and inform strategic planning
- Built interactive dashboards in Tableau and Looker Studio to help program leaders monitor website analytics
- Developed evaluation frameworks and standardized reporting processes, improving consistency and decision-making across teams
- Applied NLP techniques to qualitative data to extract insights from open-ended responses and research datasets
- Produced 25+ executive-facing reports, visualizations, and data summaries to support leadership, funders, and cross-functional partners
- Led equity-focused analytics initiatives, evaluating access, service outcomes, and program effectiveness across diverse populations
- Presented insights to technical and non-technical stakeholders, translating data into actionable recommendations

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
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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
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CERTIFICATIONS & AWARDS

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