ANNA CALDERON

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Skills and Tools

R, Tableau, Shiny, SQL, Python, Data Visualization, Experimental Design, Data Pipeline Management, Business Analytics, A/B Testing, Reporting Automation, Cross-Functional Collaboration, BigQuery

Professional Experience

University of Miami | Lead Data Scientist | Oct 2021 – Present
- Built and deployed predictive models using large-scale administrative, claims, and behavioral datasets to forecast customer treatment outcomes and inform stakeholders and policymakers.
- Integrated diverse data sources to create unified views of user engagement and service utilization, enhancing segmentation and personalization strategies.
- Designed and implemented interactive dashboards with Shiny and Tableau, providing stakeholders with clear, actionable insights.
- Automated reporting workflows and data quality checks to ensure timely, accurate delivery of insights for clinicians and stakeholders.
- Partnered with cross-functional teams across analytics, engineering, and operations to translate data findings into practical strategies that improved treatment outcomes.

Columbia University | Research Data Coordinator | Jun 2018 – Oct 2020
- Analyzed user engagement and behavioral metrics to optimize digital interventions and user experience.
- Managed and processed large-scale survey and interaction data, developing automated pipelines for data cleaning and transformation.
- Collaborated with technical and business stakeholders to align data solutions with organizational goals, ensuring actionable insights reached decision-makers effectively.

Education

Columbia University
M.S. Applied Analytics | Aug 2022

University of California, Irvine
B.A. Psychology and Social Behavior | May 2017

Publications

Zheng, T., Keyes, K., Ji, S., Calderon, A., et al. (2025). Opioid Use Disorder Prevalence in 57 New York counties from 2017-2019: A Bayesian Evidence Synthesis. Drug and Alcohol Dependence.

Balise, R. R., Hu, M. C., Calderon, A. R., et al. (2024). Data cleaning and harmonization of clinical trial data: Medication-assisted treatment for opioid use disorder. PLOS ONE, 19(11).

Luo, S. X., Feaster, D. J., Calderon, A. R., et al. (2024). Individual-level risk prediction of return to use during opioid use disorder treatment. JAMA Psychiatry, 81(1).