

Eric Dasmalchi

Education

UCLA Luskin School of Public Affairs, Los Angeles, CA Jun 2021

Master of Urban and Regional Planning

- Concentration: Transportation Policy and Planning
- 2020-21 Dwight David Eisenhower Transportation Fellowship recipient

UC Berkeley, Berkeley, CA May 2018

Bachelor of Arts with High Honors, Urban Studies and Japanese Language GPA 3.85

- Studied abroad at Meiji Gakuin University, Yokohama, Japan Sep–Dec 2016

Experience

Research Data Series (multiple roles)

California Department of Transportation, Sacramento, CA (remote/hybrid)

Research Data Specialist II (Transit Data Scientist) Apr 2025–present

Research Data Specialist I (Transit Data Scientist) Jan 2024–Apr 2025

Research Data Analyst II Aug 2022–Jan 2024

- Collaboratively refine California Transit Speed Maps tool, including publication on California's open data portal.
- Develop the first statewide and regularly updated dataset of Major Transit Stops and High Quality Transit Corridors as defined in the Public Resources Code.
- Develop a transit signal priority (TSP) prioritization methodology, including data exports and a GIS tool, for Caltrans Traffic Operations. Serve as transit data expert across Caltrans.
- Leverage bus speed and demographic data to initiate and support a district-level transit priority feasibility study, potentially saving around 50,000 minutes of daily transit rider delay.
- Support CalSTA's Transit Transformation Task Force by providing timely, accurate, and informative analyses to support its mission to empower transit to deliver on California's transformative climate, equity, and transportation safety goals. Serve as consultant's first point of contact for Caltrans data and analytics.

Transit Data Analyst

Jarvus Innovations, Philadelphia, PA (remote) Sep 2021–Aug 2022

- Using Python and other tools, analyze complex public transportation schedule and performance data (General Transit Feed Specification (GTFS), GTFS-Realtime, National Transit Database, US Census) to support transit operators, policymakers, and other stakeholders.
- Develop a new methodology using Python to calculate, map, and publish transit vehicle speeds from archived GTFS-Realtime vehicle position data. Publish data to a public website for all available California transit systems (<https://analysis.calitp.org/rt/>).
- Support and collaborate with data engineering teams to expand and maintain complex data infrastructures archiving and aggregating data from hundreds of transit agency sources.

Graduate Student Researcher

UCLA Institute of Transportation Studies, Los Angeles, CA Oct 2019–Mar 2021

- Combine transportation planning knowledge with data science tools to track ongoing changes in public transit service and ridership in response to the COVID-19 pandemic
 - Work to understand and analyze transit vehicle crowding using GTFS-Realtime
- Clean and analyze parking occupancy, compliance, and bike lane obstruction data in a business district to inform curb management policies.

Skills

- Microsoft Office, Python for data analysis and visualization, ArcGIS, Tableau, open-source geospatial tools, Adobe Creative Suite (basic), Google Cloud/Amazon Web Services

Personal Interests

- Sailing, hobby electronics (DIY ebike), photography