The yet-to-be-named multi-agency group
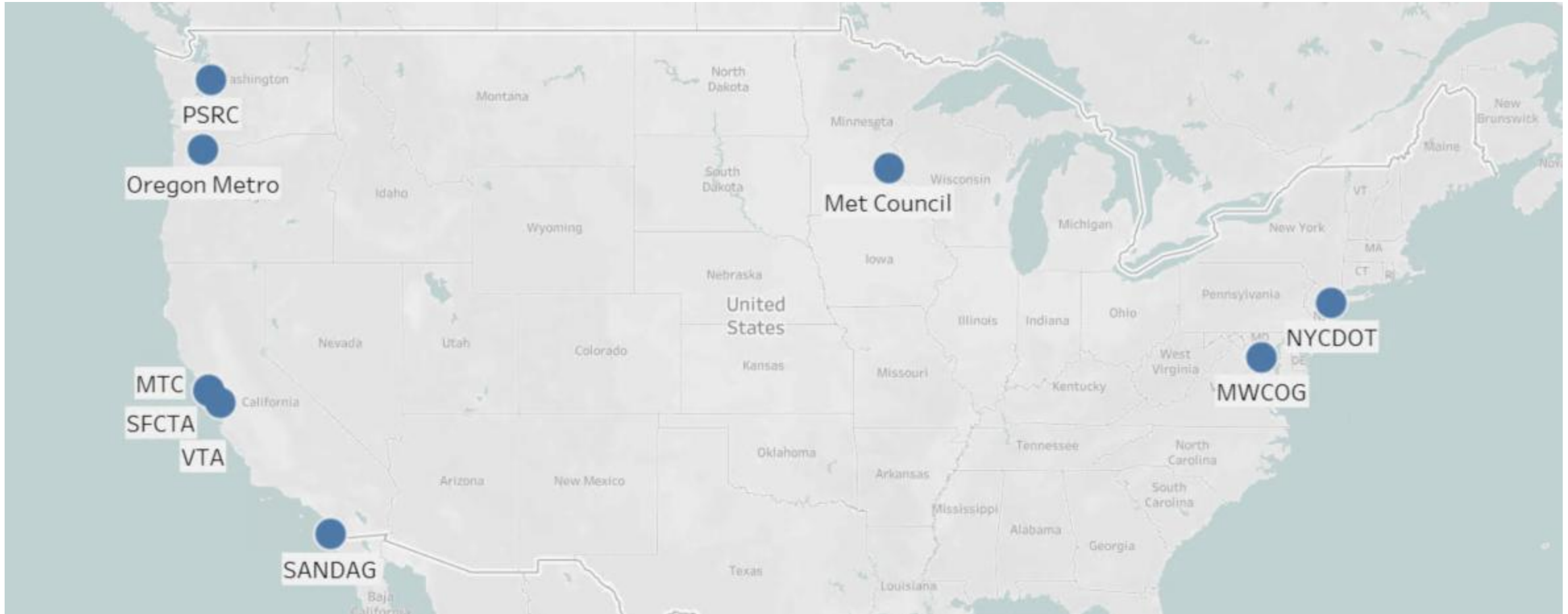
Flavia Tsang
Metropolitan Transportation Commission

Modeling Mobility Conference 2025

Regular Participants

Our First Year

- Information sharing
  - Sharing Github repos
  - Discovering common issues in near real time as they arise (e.g., the roommate issue)

- Key product
  - Imputation standards reference guide (https://github.com/ZephyrTransport/travel-diary-survey-tools/wiki/Imputation-Standards-Reference-Guide)

Baby Steps on Mode Standardization

- Traditional approach: recoding one set of numbered modes in the survey to another set of numbered modes

- Problem: this doesn't work very well across years and across regions

- PSRC's innovation: Process text strings for travel modes instead of numeric codes

Draft Mission and Focus Areas

- **Our purpose**

We collaborate to advance travel diary survey methods and open-source pipeline tools, to deliver reliable, reproducible, and representative data to support evidence-based planning and policy

- **Our focus areas**
  - Data collection
  - Data cleaning
  - Imputation
  - Trip linking
  - Tour building
  - Weighting
  - Data standard specifications and interoperability

Upcoming Work

- Sync up on trip linking
  - MTC is currently adapting SFCTA's trip linking procedure for their model
- Sync up on weighting
  - Future weighting efforts should ideally fork from the same repo
- Engage with other open sourced travel survey initiatives
  - Invited speakers from NREL to present on their smartphone app for collecting travel diary data
- Figure out how to make concrete progress on tools development (including organizational structure and funding model)

Thank you!