

# ICPSR

SHARING DATA TO ADVANCE SCIENCE



## Data Sharing and Governance Considerations for the SIMSystem Pilot Team

*Johanna Davidson Bleckman*

*Senior Data Project Manager, Restricted Data Contracts and Systems  
Inter-university Consortium for Political and Social Research (ICPSR)  
University of Michigan*

# Expectations of Privacy

- Whose data are being captured?
- How will the data be used?
- Who will benefit from the data being captured and shared?
- Expectations of privacy in different spaces:
  - public (buses)
  - private (personal cars)
  - ambiguous (bike/scooter rentals, autonomous pods, Uber/Lyft)

# Understanding consent

- When is consent necessary for data gathering and sharing?
  - Can individuals be identified based on their route or sequence of travel modes?
  - Will all data be aggregated to help prevent reidentification?
- Building trust:
  - Setting passenger/user expectations
  - Terms of Use
  - Opting out

# Who owns the data and how can they share it?

- Clear ownership/stewardship should be established
  - Proprietary or civic
- Data elements defined, justifications documented
- Data management plans shared across owners/stewards
- Limited data sharing agreements established early
- Third party data management
- Transparent plans for storage, security, and use
- Plans for short-term disposal, long-term archiving

# Governance models

- Memoranda of understanding
- Data sharing/use agreements
- Non-disclosure agreements