Household-level Data

housing price
tax amount from real
estate tax assessments

American Community Survey

Areal income summary
- by block group
- with uncertainty

SRS from County

housing price
tax amount
income

Household level Imputation

housing price
tax amount
income

- Use population (individual-level) model to combine information at different scales and resolutions

- Population-based inference needs to appropriately capture uncertainty resulting from these different information sources

  - want plausible populations; not just parameters

- Integrate information from
  - simple random samples
  - tabular aggregates from surveys
  - point-level data from tax records
  - other non-standard data sources