

Additional survey issues

- Types of biases in GPS responses different from typical diary surveys – self-selection effect, instrument effect
- GPS data is not very useful to adjust diary data trip rates
- Better to use it as PRIMARY data collection mode

Oregon Statewide Survey

- Continuous survey of 3000 households, some in a longitudinal panel
- 7 day vehicle-based GPS for all vehicles
- 1 or 2 day diary-based data collection in addition to get non-vehicle trips and additional data items
- Validation of GPS traces during retrieval
- Switch to wearable GPS in the future

Issues for practical activity modeling

- Regularities in activity/travel behavior:
 - What characterizes activities that are very regular/predictable in terms of timing and/or location?
 - What types of activities tend to influence the timing and/or location of other activities?
- Variability in activity/travel behavior:
 - To what extent is behavior predictable from previous observations over time?
 - How much “random” variability should we simulate in our models?