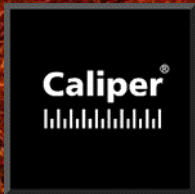


THE NEXT GENERATION TRIANGLE REGIONAL MODEL



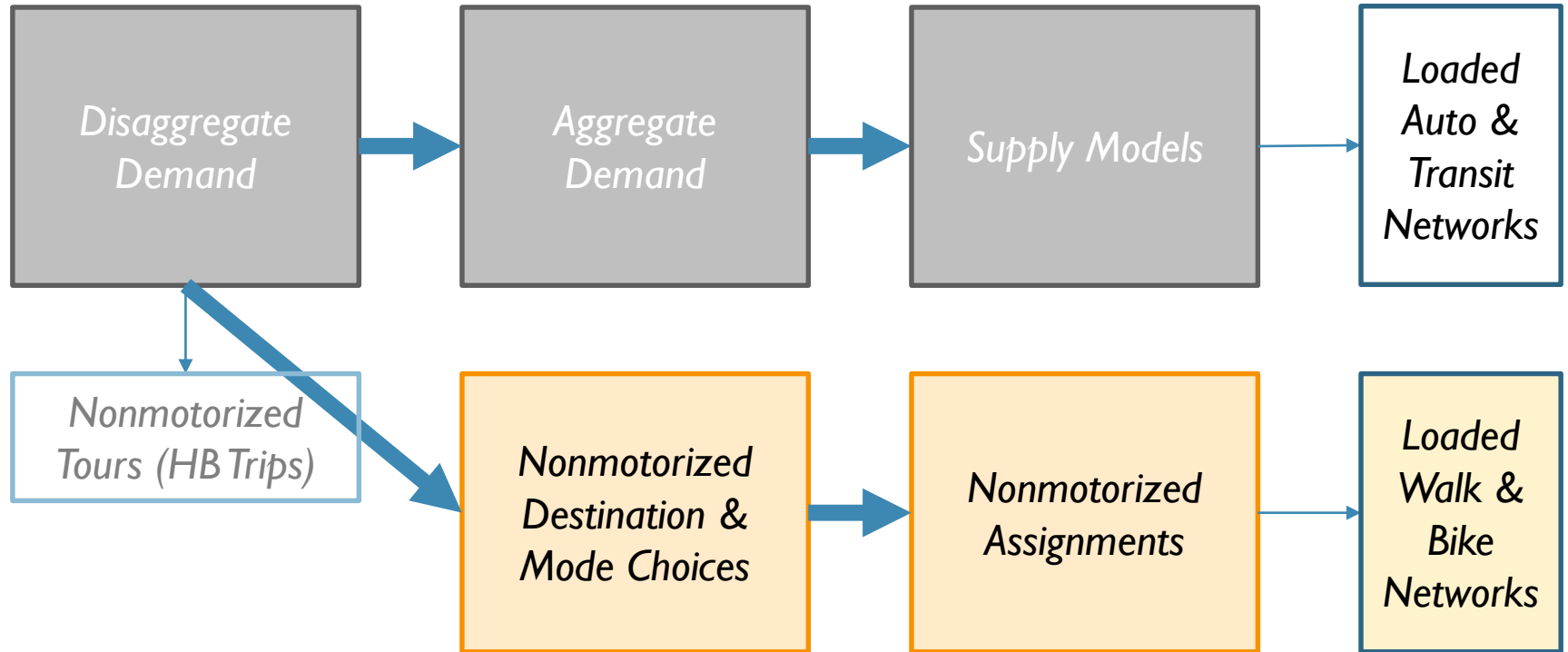
TRM MODEL FRAMEWORK



OPTION 1:A HYBRID CONVERTIBLE

- Create full, disaggregate diary output for synthetic population only when desired (e.g., for in-depth equity analyses)
 - No extra runtime, disk space for many runs
 - Vancouver, BC's TripSim
- Picks up where disaggregate front end models stop, filling in trip modes and destinations by sampling from the TRM's trip tables
- Activity durations sampled from observed survey distributions by trip type by time of day
- Simulation, consistent with aggregate results with enough runs

OPTION 2: NON-MOTORIZED MIRCOMODEL



OPTION 2: NON-MOTORIZED MIRCOMODEL

- Hybrid or Fully Disaggregate NM model?
 - Portland disaggregate pedestrian model
- Network
 - TRMG2 has complete street network, but...
 - Nonmotorized network modeling would require added detail:
AB/BA_Sidewalk, paths, ped over/underpasses, bike/ped counts
- Microzones
 - Need for SE data at microzone level; possibly fewer variables
- Analysis Capabilities
 - Better estimation of impacts of walk/bike improvements; but need to validate

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