SCAG MTF TransCAD Presentation

Caliper Corporation

22nd May, 2019
Upcoming and New Features in TransCAD

Caliper Project Work

Upcoming and New Features in TransModeler
Upcoming and New Features in TransCAD

- Interactions with Google Times and Speeds
- Accessibility Tools
- CTPP Matrix and Processing
- Modeling API
- Flowchart Menus and Toolboxes
- 3D Point Maps
- Destination Choice Estimation
- Population Synthesis
Upcoming and New Features in TransCAD

- 3D Point Maps
Population Synthesis

• Integrated framework

HH and Person Tables

 Perform Traditional (Nested) IPF

 HH Marginals

 Perform IPU

 Person Marginals

 HH distribution at smallest geography

 Adjusted HH weights *for each* (smallest) geographic unit

 Monte Carlo Draws

 Synthetic Population

• Implemented as a general feature in TransCAD

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Caliper Project Work

- NPMRDS
- Accessibility Toolkit
- Activity Based Modeling
- Dynamic Traffic Assignment
- FHWA FAF Framework
Central Coast ABM

- Population Synthesis
- Flowchart-based ABM Interface
Dynamic Traffic Assignment

- SHRP2 C10 Project
- LIMA, OH near Cincinnati
- CT-RAMP2 ABM
- TransModeler/TransDNA DTA
Upcoming and New Features in TransModeler

- Managed Lanes
- Large Networks
  - Phoenix, Jacksonville, Las Vegas, Detroit
- 3D
- Automated Vehicles
Upcoming and New Features in TransModeler

- Large Networks