

Southeast Florida FSUTMS Users Group Meeting Lihe Wang

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What is Mobilitics





- A scenario planning tool for quick response high-level system and project studies
- Evaluates impacts of new trends not considered in TDM, such as CAVs, EVs, COVID-19, etc.
- Highly flexible to customize
- Consistent with TDM result
- Easy to use and share with interactive dashboard

Mobilitics Projects





COVID-19 Recovery

Autonomous Vehicles





Scenario Planning





What Can Mobilitics Evaluate

Technology

Autonomous Vehicle

Electric Vehicle

Policy

Dedicated Lanes

VMT Fees

Parking

Transit Service

Toll Policy

Behavior

Telework

Ride Sharing

E-commerce

New Trends

Economy

Income Distribution

Population

Employment

Pandemic

... And anything else your TDM can't



Mobilitics is an Exploratory Model

Predictive Model

Based on historical trends

Calibrated

Forecasting

Exploratory Model

No historical data

Professional assumptions

Review relationships

Pivot off "BASE" scenario

Find the boundary of possible future impacts

Support scenario planning and risk analysis





Mobilitics Flow Chart



Loaded Network

Mobilitics

- Establish base measurement
- Apply impact of each variable
- Generate output

Performance Measures

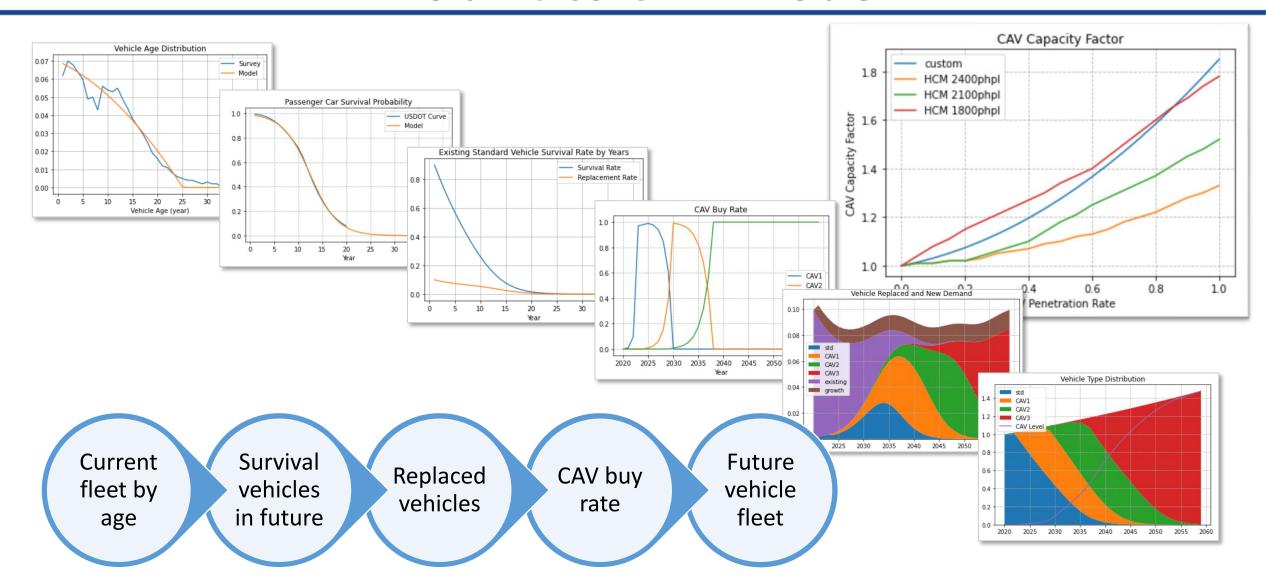
- Volume
- VMT
- VHT
- Speed
- Capacity
- Ridership
- Revenue
- ...

Mobilitics calculate impacts by

- Mode
- Time
- Facility type
- Land use type
- Income level



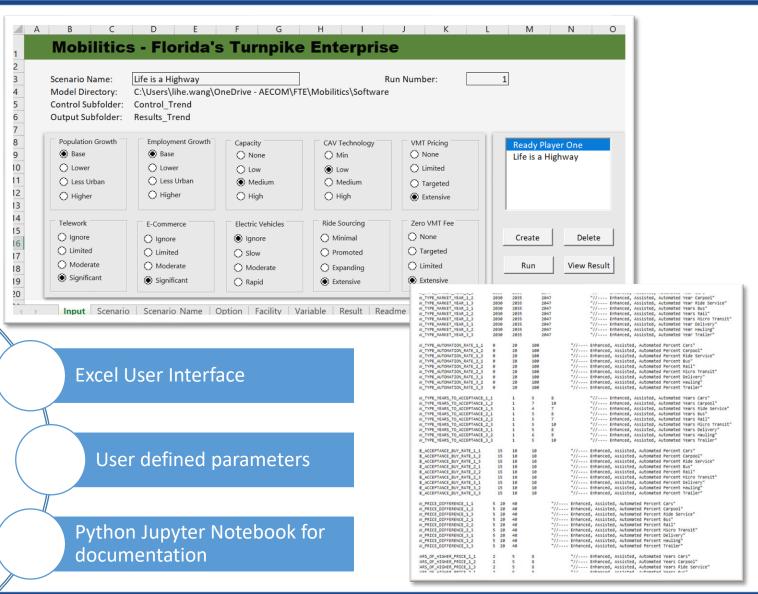
Mobilitics CAV Model







Mobilitics for Scenario Planning







Mobilitics Output Dashboard

