

Topics

- Phase 2 work completed since last update
- User guide
- Schedule update



Phase 2 work completed since last update

Calibrated the following models

- Auto ownership
- Work location choice
- Joint tour frequency and composition
- Trip mode choice
- Coordinated Daily Activity Pattern (to have fewer non-workers and senior staying home)
- Non-mandatory tour frequency
- Non-mandatory destination choice constants for attractions to DC



Also...

- Update implementation to use either MambaForge or Anaconda
- Anaconda requires commercial license if organization is 200 persons or more
- MambaForge is free
- Model runtime is ~20 minutes longer on MambaForge
- Updated the model to output stop-to-stop tables for commuter rail
- Finished a few sets of documentation
- Working hard on validation
- Model was over-estimating non-mandatory travel to DC
- Transit ridership is mostly looking good.







Gen3 Model Development Project Update

Schedule Update

Schedule Update

- Phase 2 model system implemented
- Phase 2 models estimated
- Phase 2 models calibrated (mostly)
- Validation underway; highway and transit look similar to v2.4 model results.
- Documentation underway

	CY	2022	2023						
Task	Description	Status	Jan	Feb	Mar	Apr	May	Jun	
C	Project Management								
0.1	Meetings								
0.2	TFS Meetings								
0.3	Other								
2.8	Documentation (COG staff document 2.3->	In progress							
3	Calibration and Validation								
3.1	Calibrate re-estimated models	Complete							
3.2	Calibrate district constants	In-progress							
3.3	Calibrate mode choice	Complete							
3.4	Validation	In-progress							
3.5	Documentation	In-progress							
4	Sensitivity Testing								
4.1	Definition of Sensitivity Tests for Phase 2								
4.2	Sensitivity Test 1								
4.3	Sensitivity Test 2								
4.4	Add'l Sensitivity Tests - COG Staff Lead								
4.5	Documentation								
5	Final Documentation & Training								
5.1	Draft Model Development Report								
5.2	Final Model Development Report								
5.3	Draft Model Users Guide								
5.4	Final Model Users Guide								
5.5	Training Materials								
5.6	Training Delivery								



Gen3 Model Development Project Update

Model User Guide Outline

Model User Guide Outline

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