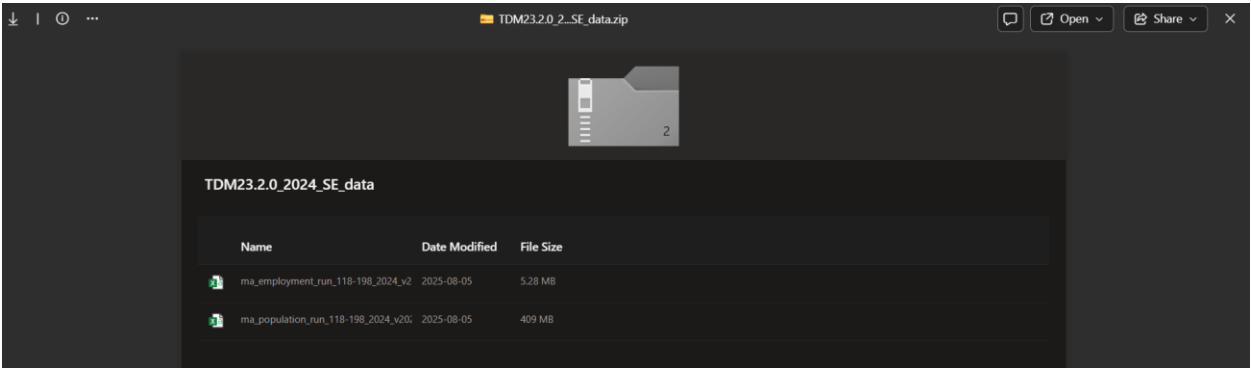


BR STOPS - UrbanSim SE Data Update Guide

Step 1: Receive Block-Level SE Data



Step 2: Rebase the data with the block-to-taz conversion

TDM23 Utility Platform

Icon	Name	Category	Description	Launch	Info
	Binary to DataFrame Converter	Data Report	Convert TransCAD binary file to the standard CSV file	<div>Launch</div> <div>Open in Colab</div>	
	Block-To-TAZ	Block-To-TAZ Comparison	Converts Social-Economic Data from Block to TAZ.	<div>Launch</div>	
				Missing	

Block-To-TAZ Tool

Enter Population Filepath

C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/ma_population_run_118-198_2024_v20250805.csv

Enter Employment Filepath

C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/ma_employment_run_118-198_2024_v20250805.csv

Enter Block to TAZ Allocation Filepath

C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/taz_2010block_allocation_20230314.csv

Enter Block to TAZ Assignment Filepath

C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/taz_2010block_assignment_20230314.csv

Enter Block-to-TAZ output folder path

C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data

Status

Mapping households to random values - 20.6%

8.7s

☒ [Write/Overwrite Block To TAZ Cache]

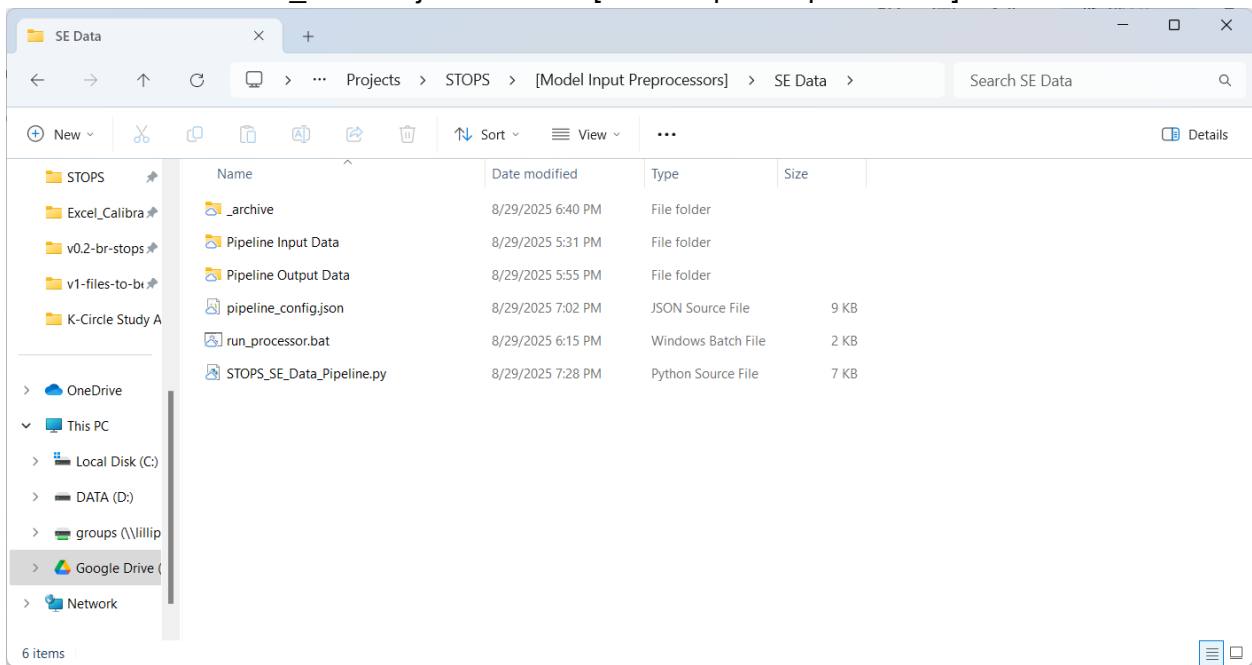
Load TAZ Data from Cache

Create Block To TAZ Cache

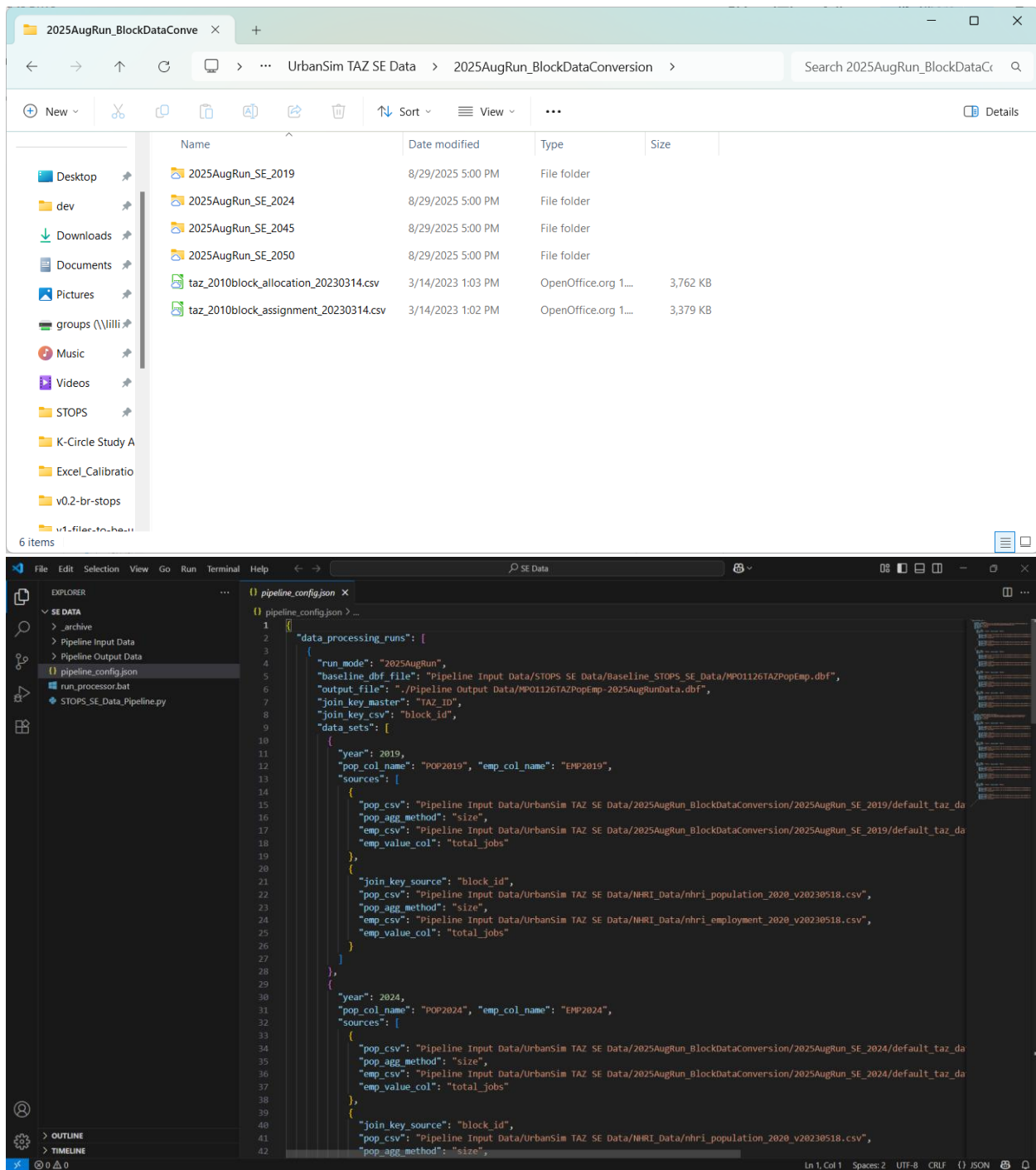
Block-To-TAZ Tool

Enter Population Filepath C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/ma_population_run_118-198_2024_v20250805.csv	Enter Block-to-TAZ output folder path C:\Users\phoebe.AD\Downloads\TDM23.2.0_2024_SE_data
Enter Employment Filepath C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/ma_employment_run_118-198_2024_v20250805.csv	Status <ul style="list-style-type: none">✓ Population and employment cache is found in the output directory✓ Data is successfully loaded into the app!✓ Creation of TAZ cache file completed successfully!✓ Data is successfully loaded into the app!
Enter Block to TAZ Allocation Filepath C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/taz_2010block_allocation_20230314.csv	<input checked="" type="checkbox"/> [Write/Overwrite Block To TAZ Cache]
Enter Block to TAZ Assignment Filepath C:/Users/phoebe.AD/Downloads/TDM23.2.0_2024_SE_data/taz_2010block_assignment_20230314.csv	<button>Load TAZ Data from Cache</button>
	<button>Create Block To TAZ Cache</button>

Step 4: Place the files into the STOPS SE Data Preprocessor and Setup Tool JSON Config
J:\Shared drives\TMD_TSA\Projects\STOPS\[Model Input Preprocessors]\SE Data



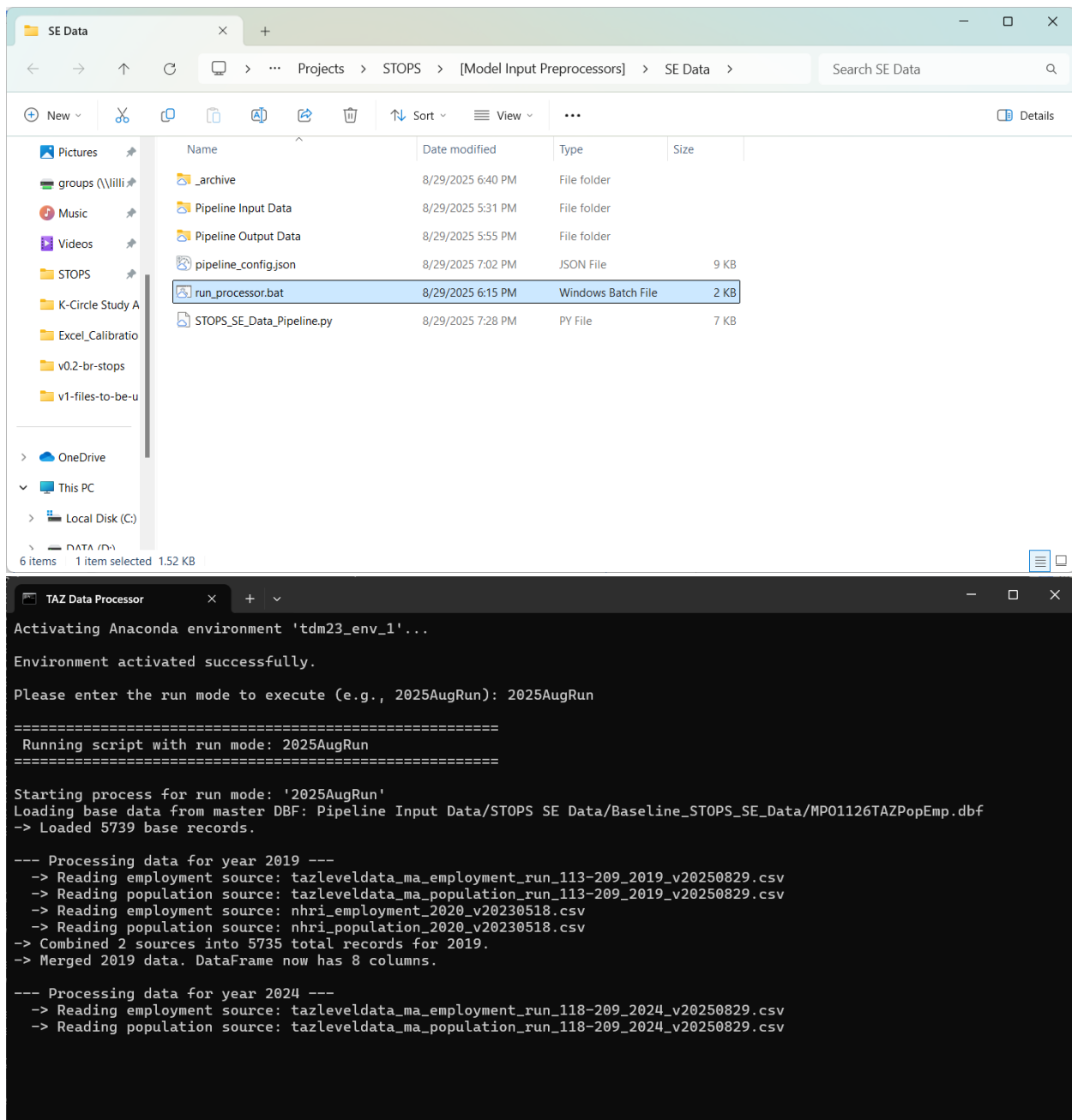
J:\Shared drives\TMD_TSA\Projects\STOPS\[Model Input Preprocessors]\SE Data\Pipeline
Input Data\UrbanSim TAZ SE Data\2025AugRun_BlockDataConversion



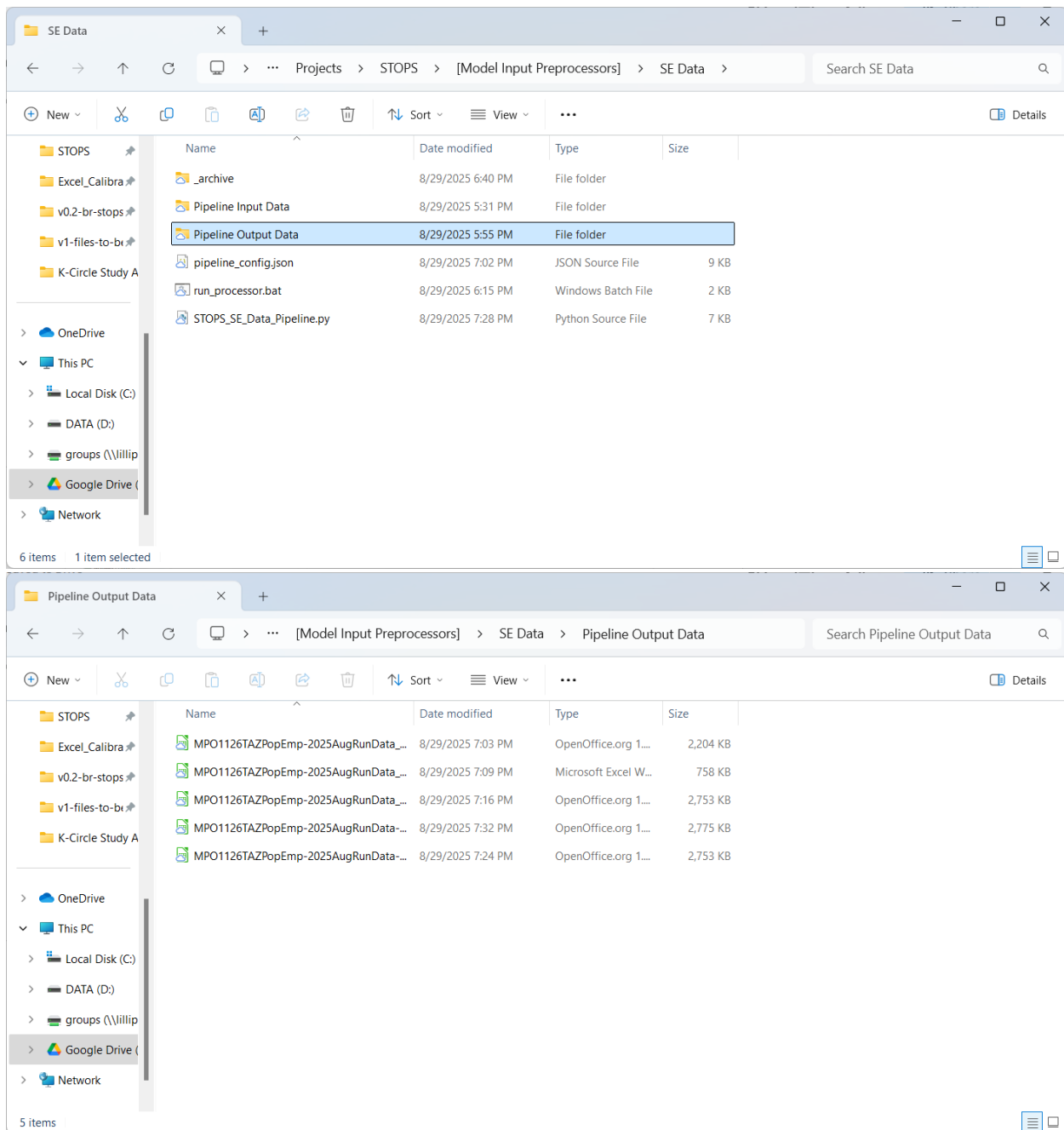
Step 5: Run SE Data Preprocessor with TAZ Data

* NOTE: Anaconda/Miniconda installation & TDM23_env_1 is required

* NOTE: DBF Package is also required (to write new DBF File)



Step 6: Receive Preprocessor Output Data



Step 7: Replace POP & EMP in STOPS

Update the MPO1126TAZPopEmp.dbf in the STOPS Input and update configuration to use new SE Data

Forecast Year Parameters

Numeric TAZ Field Name*

TAZ

Year

CTPP Year**

2015

Population/Household Field Name

POP2015

Employment Field Name

Emp2015

Current Year***

2024

POP2024

EMP2019

POP2050

EMP2050

POP2045

EMP2045

POP50OLD

EMP50OLD

POP19OLD

EMP19OLD

EMP2024

POP2024

Opening Year

10-Year Forecast

2045

POP2045

EMP2045

20-Year Forecast

2050

POP2050

EMP2050

* NOTE: Numeric TAZ field is required to run
STOPS

** NOTE: ACS CTPP Year (2015) field names for
population/household and employment are
required to run STOPS

*** NOTE: Current year number, population/
household field and employment field are required
to run STOPS

Growth Factor Geography

Zone

District

☐ Skip smoothing of future special market trips based on trip rates
and future population and employment

OK

Cancel