Config Files Index

Key: **bold** = missing or requires further investigation

accessibility.csv

Calculates peak and off peak round trip times for drive alone and transit, then creates decay variable

Skims:

SOVTOLL\_TIME

WLK\_TRN\_WLK series

DISTWALK

SE variables:

RETEMPN

TOTEMP

accessibility.yaml

Settings for walk, transit, and automobile **dispersion variables,** as well as maximum walk distance and OVT/IVT multiplier

annotate\_persons.csv

Annotates synthetic persons based on several demographic categories

Persons variables:

age **(check case)**

sex (**1=male, 2=female)**

**PTYPE, PEMPLOY, PSTUDENT (see constants.py below)**

**constants.py**, in activitysim conda package

HHT\_NONE = 0

HHT\_FAMILY\_MARRIED = 1

HHT\_FAMILY\_MALE = 2

HHT\_FAMILY\_FEMALE = 3

HHT\_NONFAMILY\_MALE\_ALONE = 4

HHT\_NONFAMILY\_MALE\_NOTALONE = 5

HHT\_NONFAMILY\_FEMALE\_ALONE = 6

HHT\_NONFAMILY\_FEMALE\_NOTALONE = 7

HHT\_NONFAMILY = [4, 5, 6, 7]

HHT\_FAMILY = [1, 2, 3]

PSTUDENT\_GRADE\_OR\_HIGH = 1

PSTUDENT\_UNIVERSITY = 2

PSTUDENT\_NOT = 3

GRADE\_SCHOOL\_MAX\_AGE = 14

GRADE\_SCHOOL\_MIN\_AGE = 5

SCHOOL\_SEGMENT\_NONE = 0

SCHOOL\_SEGMENT\_GRADE = 1

SCHOOL\_SEGMENT\_HIGH = 2

SCHOOL\_SEGMENT\_UNIV = 3

INCOME\_SEGMENT\_LOW = 1

INCOME\_SEGMENT\_MED = 2

INCOME\_SEGMENT\_HIGH = 3

INCOME\_SEGMENT\_VERYHIGH = 4

PEMPLOY\_FULL = 1

PEMPLOY\_PART = 2

PEMPLOY\_NOT = 3

PEMPLOY\_CHILD = 4

PTYPE\_FULL = 1

PTYPE\_PART = 2

PTYPE\_UNIVERSITY = 3

PTYPE\_NONWORK = 4

PTYPE\_RETIRED = 5

PTYPE\_DRIVING = 6

PTYPE\_SCHOOL = 7

PTYPE\_PRESCHOOL = 8

CDAP\_ACTIVITY\_MANDATORY = 'M'

CDAP\_ACTIVITY\_NONMANDATORY = 'N'

CDAP\_ACTIVITY\_HOME = 'H'

annotate\_persons\_after\_hh.csv

Adjusts individual value of time based on hh value of time, children have lower value

annotate\_persons\_cdap.csv

Marks persons who stay at home or have one of several unique daily activity patterns

annotate\_persons\_jtp.csv

Give count of how many joint tours a person has participated in

annotate\_persons\_mtf.csv

Number of mandatory tours per person

annotate\_persons\_nmtf.csv

Number of non-mandatory tours per person

annotate\_persons\_school.csv

Skims:

SOV\_TIME\_MD **(free flow travel time)**

Calculate time to and from school

annotate\_persons\_workplace.csv

Skims:

**WLK\_TRN\_WLK**

DIST

DISTWALK

Other:

**Walk speed = 3mph**

Calculate time to work using different modes and time savings using automobile

atwork\_subtour\_destination.csv

Coefficients for destination choice based on distance, logsum, and **atwork**

atwork\_subtour\_destination.yaml

Other:

**Sample size = 30**

**IN\_PERIOD=OUT\_PERIOD=14**

Settings for atwork subtours

atwork\_subtour\_destination\_sample.csv

Coefficients based on distance bins

atwork\_subtour\_frequency.csv

Person variables:

PEMPLOY

PTYPE

Constants and coefficients for no\_subtours, eat, business1, maint, business2, and eat\_business subtours based on several incredibly specific person types and subtypes

atwork\_subtour\_frequency.yaml

Nothing of note

atwork\_subtour\_frequency\_alternatives.csv

Defines subtours listed in atwork\_subtour\_frequency.csv as combinations of eat, business, and maint

atwork\_subtour\_frequency\_annotate\_tours\_preprocessor.csv

Incredibly complex table defining aspects of atwork subtours