Auto sprawl

Demand

node_taz_map

Generating function: OD2/mapping_taples.py: node_taz_map

node_id	road network node id	
node_type		
traffic_light	boolean	
source	boolean (node_type==2)	
sink	boolean	all false (there is no dead end node)
expressway		all false (TODO)
intersection		
bus_terminus_node		all false (for now TODO)
taz		

postcode_node_map

Generating function: OD2/mapping_taples.py: post_code_table

postcode	sla address grid point id	
postcode_zone	zone in which sla address	
node_id	the nearest road network node	
node_zone	node's zone	
node_postcode_distance	in meters	

taz

Generating function: OD2/mapping_taples.py: taz_table

zone_id	taz ID (must be serial: consequent 1, 2…)	
zone_code	= zone_id	
area	area of zone	
population	synthesized population	
shop	number of sla_address points with commercial land use label	
central	if zone in Baltimore city.	
parking_rate		all 0s (TODO)
resident_workers	number of zone residents who has jobs	
employment	number of synthesized job allocations	
total_enrollment	number of synthesized edu allocations	
resident_students	number of zone residents who are students	
cbd		all false (TODO)

Supply

road network

pathsets

Synpop12

individual

Generator: SYN/load_data/Autosprawl_syn_popilation/population_tables.py: format_individual

id		
household_id		
ethnicity_id		0s (TODO)
employment_status_id		
gender_id		
education_id		
occupation_id		0s (TODO)
industry_id		0s (TODO)
transit_category_id		0s (TODO)
age_category_id		
residential_status_id		0s (TODO)
household_head		False (TODO)
income		
work_at_home		False (TODO)
car_license		False (TODO)
motor_license		False (TODO
vanbus_license		False (TODO)
is_student		
fixed_work_schedule		False (TODO)
fixed_work_location		False (TODO)
taz_workedu_id		0s (TODO)
household_size		
job_id		0s (TODO)
vehicle_category_id		

household

Generator: SYN/load_data/Autosprawl_syn_popilation/population_tables.py: format_household

id		
hh_size		
child_under4		
child_under15		
num_adults		
hh_income		
workers		0s (TODO)
fm_unit_id		0s (TODO)
sla_address_id		
vehicle_ownership_option_id		

age_category_id

Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py

id - name
1 - Under 5 years
2 - 5 to 9 years
3 - 10 to 14 years
4 - 15 to 17 years
5 - 18 and 19 years
6 - 20 years
7 - 21 years
8 - 22 to 24 years
9 - 25 to 29 years
10 - 30 to 34 years
11 - 35 to 39 years
12 - 40 to 44 years
13 - 45 to 49 years
14 - 50 to 54 years
15 - 55 to 59 years
16 - 60 and 61 years

17 - 62 to 64 years
18 - 65 and 66 years
19 - 67 to 69 years
20 - 70 to 74 years
21 - 75 to 79 years
22 - 80 to 84 years
23 - 85 years and over

education_id

Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py
id - name
0 - N/A or not in school
1 - Nursery school to grade 4
2 - "Grade 5 - 6 - 7 - or 8"
3 - "Grade 9 - 10 - 11 - 12"
4 - College 1 or 2 years of college
5 - College 3 or 4 years of college
6 - College 5+ years of college

employment_status_id

Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py
id - name
0 - N/A
1 - Employed
2 - Unemployed
3 - Not in labor force

gender_id

Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py
id - name
0 - Male
1 - Female

vehicle_ownership_option_id

Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py
id - description
0 - N/A
1 - 1 available
2 - 2
3 - 3

4 - 4
5 - 5
6 - "6 (6+ - 2000 - ACS and PRCS)"
7 - 7+
9 - No vehicles available

land_use_type
Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py
id - type_id - name
1 - 1 - sparseR
2 - 2 - lowR
3 - 3 - mediumR
4 - 4 - highR
5 - 5 - commer
6 - 6 - indust
7 - 7 - edu
8 - 8 - agricul
9 - 9 - urbanOL
10 - 10 - forest
11 - 11 - water
12 - 12 - openLand
13 - 13 - trans

land_use_zone
Generator: SYN/load_data/Autosprawl_syn_popilation/category_tables.py

id	zone id
type_id	land_use_type

school

id		
sla_address_id		
school_category_id		
sla_enrollment		
school_id		

job

Generator: land-use/allocate2.py: emp_weight

id		
sla_address_id	(repeated) as a single entry is a single job position	

school_category_id

id - type
1 - k12_charter
2 - k12_public
3 - private4
4 - private2
5 - public4
6 - public2

sla_address_id

id	id (grid point location)	
taz_id		
x_coord		
y_coord		
county		
sla_postcode	= id	

taz (to check)

id	
area	

establishment

Generator: land-use/allocate2.py: emp_weight2

id		
firm_id		0s (TODO)
fm_building_id		0s (TODO)
life_style_id		0s (TODO)
business_type_id		0s (TODO)
size		
revenue		0s (TODO)
sla_address_id		
gross_sq_m		0s (TODO)
sector_id		0s (TODO)