ActivityPattern Quick Reference

Version 4.0.2

Revision History
1/8/2010   Edited by AECOM Consult, Inc.
4/15/2010   Edited by RSG, Inc.

Syntax:

ActivityPattern [-flag] [control_file] [partition]

Purpose:
1. Match synthetic households to survey households.
2. Assign survey activity patterns to individual members of the synthetic household.
3. Coordinate household activities and vehicle usage.
4. Updates activity patterns for selected household.

Required Keys

NET_NODE_TABLE	[net_directory]*filename*
NET_LINK_TABLE	[net_directory]*filename*
NET_PARKING_TABLE	[net_directory]*filename*
NET_ACTIVITY_LOCATION_TABLE	[net_directory]*filename*
HOUSEHOLD_FILE	[project_directory]*filename*
POPULATION_FILE	[project_directory]*filename*
VEHICLE_FILE	[project_directory]*filename*
VEHICLE_TYPE_FILE	[project_directory]*filename*
SURVEY_HOUSEHOLD_FILE	[project_directory]*filename*
SURVEY_POPULATION_FILE	[project_directory]*filename*
SURVEY_ACTIVITY_FILE	[project_directory]*filename*
NEW_ACTIVITY_PATTERN_FILE	[project_directory]*filename*

Optional Keys

TITLE	Text
REPORT_FILE	*Filename*
REPORT_FLAG	FALSE {true/false/yes/no/1/0}
MAX_WARNING_MESSAGES	100,000
MAX_WARNING_EXIT_FLAG	TRUE {true/false/yes/no/1/0}
PROJECT_DIRECTORY	*Pathname*
DEFAULT_FILE_FORMAT	VERSION3 {(2)}
ACTIVITY_PATTERN_FILE (1)	[project_directory]*filename*
HOUSEHOLD_LIST (1)	[project_directory]*filename*[.partition]

TIME_OF_DAY_FORMAT	24_HOUR_CLOCK {(3)}
HOUSEHOLD_TYPE_SCRIPT	[project_directory]*filename*
SURVEY_HOUSEHOLD_WEIGHTS	[project_directory]*filename*
SURVEY_TYPE_SCRIPT	[project_directory]*filename*
NEW_PROBLEM_FILE	[project_directory]*filename*
NEW_HOUSEHOLD_MATCH_FILE	[project_directory]*filename*
NEW_HOUSEHOLD_PERSON_COUNT	[project_directory]*filename*
NEW_ACTIVITY_PATTERN_FILE	[project_directory]*filename*
RANDOM_NUMBER_SEED	0 {>= 0}
TIME_SCHEDULE_VARIANCE	0 {0..60} minutes
NET_DIRECTORY	*Pathname*
NET_DEFAULT_FORMAT	[default_file_format] {(2)}
NET_NODE_FORMAT	[net_default_format] {(2)}
NET_LINK_FORMAT	[net_default_format] {(2)}
NET_PARKING_FORMAT	[net_default_format] {(2)}
NET_ACTIVITY_LOCATION_FORMAT	[net_default_format] {(2)}
NEW_DEFAULT_FORMAT	[default_file_format] {(2)}
NEW_ACTIVITY_FORMAT	[new_default_format] {(2)}
NEW_PROBLEM_FORMAT	[new_default_format] {(2)}
NEW_ACTIVITY_PATTERN_FORMAT	[new_default_format] {(2)}
SURVEY_HOUSEHOLD_FORMAT	[default_file_format] {(2)}
SURVEY_POPULATION_FORMAT	[default_file_format] {(2)}
SURVEY_ACTIVITY_FORMAT	[default_file_format] {(2)}
ACTIVITY_PATTERN_FORMAT	[default_file_format] {(2)}
HOUSEHOLD_FORMAT	[default_file_format] {(2)}
POPULATION_FORMAT	[default_file_format] {(2)}
VEHICLE_FORMAT	[default_file_format] {(2)}
VEHICLE_TYPE_FORMAT	[default_file_format] {(2)}

Reports

ACTIVITYPATTERN_REPORT_#	HOUSEHOLD_TYPE_SCRIPT
	HOUSEHOLD_TYPE_STACK
	HOUSEHOLD_TYPE_SUMMARY
	SURVEY_TYPE_SCRIPT
	SURVEY_TYPE_STACK
	SURVEY_TYPE_SUMMARY
	HOUSEHOLD_MATCH_REPORT

TRANSIMS
Open-Source

Notes

1	Input activity pattern and household list files are required for household activity pattern updates.
2	{VERSION3, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL, SQLITE3}
3	{HOURS, SECONDS, 24_HOUR_CLOCK, 12_HOUR_CLOCK}