SmoothData Quick Reference

Version 4.0.5

Revision History: 12 January 2011   Created by Volpe Center

Syntax: **SmoothData [-flag] [control_file]**

Purpose:

1. Smooth diurnal distribution curves prior to input to ConvertTrips in TRANSIMS.

Required Keys

INPUT_DATA_FILE_*	[project_directory]*filename*[.partition]
OUTPUT_DATA_FILE_*	[project_directory]*filename*[.partition]
NUMBER_OF_ITERATIONS	Integer: 1..25 (1)
SMOOTH_FIELD_NUMBER	Integer

Optional Keys

TITLE	Text
REPORT_FILE	*Filename*
REPORT_FLAG	FALSE {true/false/yes/no/1/0}
PROJECT_DIRECTORY	*Pathname*
DEFAULT_FILE_FORMAT	VERSION3 {(2)}
MAX_WARNING_MESSAGES	100,000
MAX_WARNING_EXIT_FLAG	TRUE {true/false/yes/no/1/0}
INPUT_DATA_FORMAT_*	VERSION3 {(2)}
OUTPUT_DATA_FORMAT_*	VERSION3 {(2)}
DISTRIBUTION_FILE_*	
DISTRIBUTION_FORMAT_*	
INPUT_TIME_FORMAT_*	HOURS {(3)}
OUTPUT_TIME_FORMAT_*	HOURS {(3)}
SMOOTH_TIME_INCREMENT_*	In seconds (4)
SMOOTH_GROUP_SIZE_*	3 {3,5,7,9}
PERCENT_MOVED_FORWARD_*	20 (5)
PERCENT_MOVED_BACKWARD_*	20 (5)
CIRCULAR_GROUP_FLAG_*	TRUE {true/false/yes/no/1/0}
REPLICATE_FIELDS_FLAG_*	FALSE {true/false/yes/no/1/0}

Notes

1	Typically, 10 is used
2	BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL and SQLITE3.
3	HOURS, SECONDS, 24_HOUR_CLOCK, and 12_HOUR_CLOCK.
4	Default is to match bucket size in input file
5	Range is 0..(100 – 50 / [smooth group size])