

F. Description of Travel Activity Files

Travel Activity Files for Tour and Trip Analysis

For the analysis of tours and trip-making, the consultants created three activity files from the 2006 Puget Sound Regional Travel Survey data. These are based on the trip, tour, and person-day.

File TRGEN01.SAV is an SPSS file with 21,032 person-day records. The records are sorted by QNO, PERNUM, and DAY. Any household and person variables can be attached using those IDs. The variables are as follows:

- qno 'household id'
- pernum 'person number in household'
- day 'diary day'
- perstype 'person type'
- ntrips 'number of trips in person day'
- begathom 'person day begins at home?'
- endathom 'person day ends at home?'
- hbtours 'number of home-based tours in person day'
- wbtours 'number of work-based subtours in person day'
- primtour 'sequence # of primary tour of day'
- primtype 'purpose type of primary tour of day'
- primstrs 'subtours as part of primary tour'
- primsbef 'trips on first half of primary tour'
- primsaft 'trips on second half of primary tour'
- worktrs '# of home-based work tours in person day'
- schotrs '# of home-based school tours in person day'
- escotrs '# of home-based escort tours in person day'
- perbtrs '# of home-based pers.business tours in person day'
- shoptrs '# of home-based shopping tours in person day'
- mealtrs '# of home-based meal tours in person day'
- socltrs '# of home-based social tours in person day'
- recrtrs '# of home-based recreation tours in person day'
- worksts '# of extra work stops in person day'
- schosts '# of extra school stops in person day'
- escosts '# of extra escort stops in person day'
- perbsts '# of extra pers.business stops in person day'
- shopsts '# of extra shopping stops in person day'
- mealsts '# of extra meal stops in person day'
- soclststs '# of extra social stops in person day'
- recrsts '# of extra recreation stops in person day'

- travdur 'min spent in travel in person day'
- workdur 'min in out-of-home work activities in person day'
- schodur 'min in out-of-home school activities in person day'
- escodur 'min in out-of-home escort activities in person day'
- perbdur 'min in out-of-home pers.business activities in person day'
- shopdur 'min in out-of-home shopping activities in person day'
- mealdur 'min in out-of-home meal activities in person day'
- socldur 'min in out-of-home social activities in person day'
- recrdur 'min in out-of-home recreation activities in person day'.

File TOURS01.SAV is an SPSS file with 26,761 tour records. The records are sorted by QNO, PERNUM, DAY and TOUR. Any household and person variables can be attached using those IDs. The variables are all the same as in TRGEN01.SAV, plus the following additional variables:

- tour 'tour sequence # in day'
- parent 'for subtours, sequence # of parent work tour'
- subtrs 'number of child work-based subtours'
- pdpurp 'purpose type at primary destination'
- pddura 'activity duration at primary destination'
- tlvorig 'trip # leaving tour origin'
- tardest 'trip # arriving primary destination'
- tlvddest 'trip # leaving primary destination'
- tarorig 'trip # arriving tour origin'
- lvorig 'time leaving tour origin'
- ardest 'time arriving primary destination'
- lvdest 'time leaving primary destination'
- arorig 'time arriving tour origin'
- toadtyp 'tour origin address type'
- tdadtyp 'tour destination address type'
- totaz 'tour origin taz'
- tdtaz 'tour destination taz'
- mainmode 'tour main mode'
- tripsh1 '# of trips in first half tour'
- tripsh2 '# of trips in second half tour'
- priority 'tour priority type'.

File TRSEG01.SAV is an SPSS file with 74,848 tour segment (trip) records. The records are sorted by QNO, PERNUM, DAY, TOUR, HALFT, and TSEQ. Any household and person variables can be attached using those IDs. Any trip-level variables can be attached using variable TRIPNUM. The variables are all the same as in TOURS01.SAV, plus the following additional variables:

- halft 'half tour #'
- tseq 'trip sequence # within half tour'
- tripnum 'trip # in raw data file'
- opurp 'purpose at trip origin'
- dpurp 'purpose at trip destination'
- oadtyp 'trip origin address type'
- dadtyp 'trip destination address type'
- otaz 'trip origin taz'
- dtaz 'trip destination taz'
- mode 'trip mode'
- deptime 'trip departure time'
- tripdur 'trip duration'
- actdur 'destination activity duration'.

Categorical variables in the three files are defined as follows:

- perstype
 - 1 'full-time worker'
 - 2 'part-time worker'
 - 3 'retired nonworker'
 - 4 'other nonworker'
 - 5 'adult student'
 - 6 'grade school 16+'
 - 7 'child age 5-15'
 - 8 'child age 0-4'
- begathom endathom
 - 0 'no'
 - 1 'yes'
- printype pdpurp opurp dpurp
 - 0 'home' ('no tours' for printype)
 - 1 'work'
 - 2 'school'
 - 3 'escort'

- 4 'personal business'
- 5 'shopping'
- 6 'meal'
- 7 'social'
- 8 'recreation'

- toadtyp tdadtyp oadtyp dadtyp

- 1 'home'
- 2 'usual work'
- 3 'usual school'
- 4 'other'
- 5 'missing'

- mainmode mode

- 0 'others'
- 1 'school bus'
- 2 'drive to ferry'
- 3 'drive to transit'
- 4 'walk to ferry'
- 5 'walk to transit'
- 6 'shared ride 3+'
- 7 'shared ride 2'
- 8 'drive alone'
- 9 'bike'
- 10 'walk'

- priority

- 1 'primary HB tour'
- 2 'secondary HB tour'
- 3 'work-based subtour'.

