Descriptions of variables in TSP.csv.

Please contact jccs@bu.edu with any questions.

Variable name	Variable description
Group	Unique identifier for a single experimental group (three subjects doing one trial consisting of 17 rounds).
person	Unique identifier for a single person (experimental subject). This is the kept the same across all trials/groups that the person participated in.
Round	A number from 1-17, indicating which round of a trial the row of data is from. One trial consists of 17 rounds.
Problem	A number from 1-5 indicating which TSP map (problem) the trial was using. Each trial kept the same problem for all 17 rounds.
problem_order	A number from 1-6, indicating which trial this was in each subject's experience. A "1" indicates that this is the first trial/group that a subject/person has participated in. Problems were presented in random order, so this variable accounts for the sequence in which subjects worked on different trials. NB not all subjects did 6 trials.
fullTreatment	Six possible values: soloPlayers 0 soloPlayers 1 fullVisibility 1 fullVisibility 0 punctuatedVisibility 1 punctuatedVisibility 0 "soloPlayers" indicates that members of a group could never see each other's solutions. "punctuatedVisibility" indicates that members of a group could see each other's solutions from the previous round only on rounds 4, 7, 10, 13, and 16. "fullVisibility" indicates that on all rounds (after the first) subjects could see each other's solutions from last round. A "0" indicates that subjects could NOT see their own previous best solution. A "1" indicates that subjects could see their own previous best solution

actual_distance	The distance of the solution to the TSP as entered.
optimum_diff	The difference from optimum for the solution to the TSP as entered (the "actual_distance" minus the optimum distance)
sol_paircount	The number of correct solution legs (ie city-pairs chosen as part of the TSP solution entered). NB some problems had multiple correct answers. A solution leg is counted as correct if it is part of any of the optimal solutions
pretest_numcorrect	The number of pretest TSP problems that the subject had the optimal answer for.
grp_bestpretest	The best pretest performance for the group.
subjectHadOptimumLastRound	Indicates whether the subject had the optimum solution on the previous round.
ss1 … ss2324	300 variables – one each for each possible link between a given pair of cities. The numbers in the variable names correspond to the city numbers for the TSP, numbered from 0 to 24. NB the numbers are presented in ascending order (no matter which city was clicked first) and the first 24 omit the "0" in the variable name, but represent possible links between city zero and cities 1…24. At most the sum across all 300 variables should be 25, but if people did not enter a complete solution (consisting of 25 city-pairs (aka "solution legs")), then the sum across these variables will be less than 25. N.B. there are 5 distinct problems, so a leg that is correct in one problem is not necessarily correct in another.