## UTC Project Information

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Assessing Importance and Satisfaction Judgments of Intermodal Work Commuters with Electronic Survey Methodology</th>
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<tr>
<td>University</td>
<td>San José State University Mineta National Transit Research Consortium</td>
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<tr>
<td>Principal Investigator</td>
<td>Steven Silver, Ph.D.</td>
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| PI Contact Information | Department of Marketing and Decision Sciences  
San Jose State University  
One Washington Square  
San Jose, CA 95192  
Steven.Silver@sjsu.edu  
408-924-3525 |
| Funding Source(s) and Amounts Provided (by each agency or organization) | Research and Innovative Technology Administration University Transportation Centers Program ($6,076)  
California Department of Transportation Office of Research—MS42 ($6,076) |
| Total Project Cost | $12,152 |
| Agency ID or Contract Number | DTRT12-G-UTC21 |
| Start and End Dates | June 2012 – September 2013 |
| Brief Description of Research Project | Recent advances in multivariate methodology provide an opportunity to further the assessment of service offerings in public transportation for work commuting. We offer methodologies that are alternative to direct rating scale and have advantages in the quality and precision of measurement. The alternative of methodology for adaptive conjoint analysis for the measurement of the importance of attributes in service offering is implemented. Rasch scaling methodology is used for the measurement of satisfaction with these attributes. Advantages that these methodologies introduce for assessment of the respective constructs and use of the assessment are discussed.  
In a first study, the conjoint derived weights were shown to have predictive capabilities in applications to respondent distributions of a fixed total budget to improve overall service offerings. Results with the Rasch model indicate that the attribute measures are reliable and can adequately constitute a composite measure of satisfaction. The Rasch items were also shown to provide a basis to discriminate between privately owned vehicles (POVs) and public transport commuters. Dissatisfaction with uncertainty in travel time and income level of respondents were the best predictors of POV commuting. |
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<td>Place Any Photos Here</td>
<td><img src="http://www.permaculture.co.uk/sites/default/files/images/532824_525377684171027_1352207143_n.standard%20460x345.jpg" alt="Image of people using a bicycle rack on a tram" /></td>
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<td>Impacts/Benefits of Implementation (actual, not anticipated)</td>
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| Web Links  
- Reports  
- Project Website | Final report (MNTRC Website): [http://transweb.sjsu.edu/project/1127.html](http://transweb.sjsu.edu/project/1127.html) |