**Predicting Public Transportation Demand Using Household and Neighborhood Characteristics**

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Abstract – *This paper aims to predict public transportation demand by comparing the household and neighborhood characteristics of those who do and do not use public transportation. Data from the 2013 American Housing Survey is analyzed to compare public transportation usage*

**Key Words:** Public Transportation, OLS, Logit Regression, LASSO Regression, Infrastructure Economics,

**JEL Codes:**

1. **Introduction and Motivation**