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Analysis and Generation of Multiple Linear Regression for Residential Area of Vesu, Surat

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Abstract

Regression analysis is a statistical approach to find the interrelation between dependent and independent variables. The basis of regression analysis is correlation among the variables. Correlation is a statistical method to evaluate the strength of the relationships between variables. The higher the coefficient of correlation the more is the strength. This paper focuses on the study of trip generation and the factors affecting the same along with the degree to which the individual factor affects the trip. Linear regression is the study of one dependent and few independent variables and their correlation. The data collection technique taken into consideration is 'Household survey'. Household survey is the procedure for collection and analysis of general situation and specific characteristics affecting the individual households or residential areas. The precision of the result depends on the sample size and the range of the sample. The more is the sample size better is the correlation.

Author Keywords

Correlation Analysis, Household Survey, Microsoft Excel, Multiple Regression Analysis, Trip Generation

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