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RESEARCH ARTICLE

ANFIS based Trip Generation model for Meerut

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Abstract- In the present paper ANFIS based model for trip generation is formed for calculating volume of trip generation in Meerut. This model demonstrates the relationship which is not linear between dependent variables and the independent variables assigned to this model. Forecasting of trips generation is entirely based on demonstrated ANFIS model. Error produced during machine learning phase of this model is very low. The traditional transportation method is based on simple trends extrapolations which are linear in nature.

Keyword- Adaptive neuro fuzzy inference system (ANFIS); Trip Generation(TG); Trip Production(TP); Trip Attraction (TA); Trip Production Model(TPM); Trip Generation Model(TGM); Meerut Development Authority(MDA).

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