A Fuzzy Theoretic Gravity Model for Interzonal-Trip Distribution

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EXTENDED ABSTRACT
In this paper a fuzzy theoretic gravity model is proposed for generating inter zonal trips in urban area. The earlier work on inter zonal trip distribution are based on the gravity model, linear programming and entropy maximization model. However, the results are not accurate on account of input data used for generating inter zonal trips being fuzzy in nature. The proposed model is implemented for Delhi Urban Area, which is divided into nine zones namely North-West, West, North-East, South-West, North, Central, South-East, East, and South. The results based on the above proposed model are found to be more acceptable.

KEYWORDS
Trip distribution, Fuzzy theoretic gravity model

CONCLUSION
The proposed model is implemented for Delhi Urban Area, which is divided into nine zones namely North-West, West, North-East, South-West, North, Central, South-East, East, and South. The results based on the above proposed model are found to be more acceptable because inter zonal trips are fuzzy in nature and the traditional models lacks fuzziness.

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