Islamic Azad University-Ahar Branch
Geographic Space
An Approved Scientific, Research-based Quarterly

Alireza Soltani[1]

Estimation of Travel Demand Modeling (BRT) With ArcGIS Bases in Tabriz

Date received: 4 August 2012 Date accepted: 20 April 2013

Abstract

Travel demand for forecasting is one of the most important components in the transportation planning. Therefore, in transportation planning, travel demand for forecasting is needed. The traditional model of comprehensive transportation system, anticipates the process in four stages, in which travel demand is distinct from other similar models and actual interaction between the various stages are not considered. Travel demand is estimated at less Holistic, through other models such as regression models and model predictions. This paper presents an applied approach to travel demand forecasting model based on promises available in the GIS environment. Resolution models are presented, based on travel demand in walking distance of 500 meters BRT stations will be assessed. Principles and data models used to describe the appropriate model based on data in a GIS framework to model

1 - Chancellor In University of Applied Science and Technology of Tabriz Municipility.

[Downloaded from geographical-space.iau-ahar.ac.ir on 2026-10-31]

implementation is developed. Finally, a case based on travel demand forecast model output in Tabriz, the negative exponential model based on access to the estimated logistic model with an estimated 250966 and 268892 people a day, the travel demand Metropolis Tabriz BRT stations based on specific needs has been suggested based on these results is presented.

Keywords: GIS, Travel Demand, Access to Stations, BRT, The Implementation Process.

[Downloaded from geographical-space.iau-ahar.ac.ir on 2026-10-31]