

Development assessment of cities using Fuzzy AHP (Case study: Sistan and Baluchestan, Iran)

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ABSTRACT:

This research aimed to investigate the development of cities in Sistan and Baluchestan province according to some development indicators. The applied results are used in regional decision-making and planning. This is a descriptive-analytical study. The statistical population consisted of all cities with more than 25 residents in Sistan and Baluchestan province, Iran. All data were extracted from the Statistical Yearbook 2011. A total of 24 indicators were selected in four categories: Education, Health, Transportation, and Service. The data were collected for the cities. The data were analyzed using fuzzy AHP in terms of development. The results showed that Zahedan (capital) (the capital of Sistan and Baluchestan Province, Iran) scored the top (utilization coefficient: 8.12), while Sarbaz (a county in Sistan and Baluchestan Province in Iran) scored the 9th (utilization coefficient: 2.96) position. Finally, the cities were ranked based on development into three categories: utilized, semi-utilized, and deprived. The maps were drawn using GIS.

Keywords:

Utilization Coefficient, Development, F-AHP Model, Sistan and Baluchestan province.