عنوان مقاله:

A Logistic Regression Method for Urban growth modeling Case Study: Sanandaj City in IRAN

نویسنده:

Sassan Mohammady - *GIS MSc student, Dept. of Surveying and Geomatics Eng., College of Eng. University of Tehran, Tehran, Iran*

خلاصه مقاله:

Land use activity is a major issue and challenge for town and country planners. Different approaches have been attempted in spatial modeling. In this research we use logistic regression, that have been very successful in interpreting socio-economic activities. Our case study is Sanandaj and we use Landsat imagery, taken in 2000 and 2006.Our parameters in this study are: distance to principle roads, distance to residence region, elevation, slope, distance to faults, distance to facilities, distance to downtown and the number of urban pixels in an neighborhood with radius of 1 pixel. One of the most important problem in this analysis is large volume of data. We use different method to find training data and consider accuracy of model, and finally we predict land us change for 2012, 2018.

کلمات کلیدی:

Regression Logistic, Urban Growth Modelling

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/205158