

ABSTRACT

Localized point data are literally everywhere in the world around us. Whether it is about the location of different objects or a place where an incident happened, such as crime, or a place where a more rare disease occurred. One of the researcher's important goals is to analyze their spatial distribution. There is a number of methods to achieve such a goal, which have begun to develop in particular along the development of the field of computing and information technology. The aim of this work is to find out what are the current methods of approach to spatial analysis of point data. To test and apply the spatial analysis methods studied on actual data for crime and evaluate their benefits and results. Problems that may arise in applying methods and actual research using such methods will be discussed.

Keywords: spatial analysis, point data, crime research