

# Organizing the City Neighborhoods with Discovering the Crime Centers

farhnanz afshin\*,mohammad eskandari nodeh,

**Abstract** In recent years in the scientific community a worldwide interest in analyzing the relationship's And crime and the study of human interaction and context and environment in shaping patterns of crime has been formed. This new approach has led policing and law enforcement measures to deal with crime is based on this assumption. The result shows that countries have measures in line with this approach, have more success In the fight against crime and increase safety and well-being of their people. Some spatial and temporal conditions and the situation which is likely to crime and offenders are seeking these areas in the community. District 4 in Rasht county is chosen as a case study and the physical and geographical characteristics of the underlying crime that can be dealt with. This is an applied research with mathematical modeling approach. In this research, mathematical model based on defined variables and the relationship between them and then design the layout of the real data, the results need to be achieved. The mathematical model used in this research are nearest neighbor model in Spss and Hot Spot on GIs .Maps and further mathematical model reveals the location of the crime in the city's zoning Therefore, urban management and security measures to reduce or eliminate crime is needed. The results indicate that crimes scattered across the city but some of them are more common and more in some areas . This is in addition to economic and social issues related to the construction of their physical locations and access them in a variety of municipal facilities.

**Keywords :** Keywords: crime, mathematical model, physical features, Rasht

[Islamic Azad University, Rasht Branch - Thesis Database](#)  
[دانشگاه آزاد اسلامی، واحد رشت - سامانه بانک اطلاعات پایان نامه ها](#)