

Spatial Analysis Distribution Sports Places in Bojnourd City Using Geographic Information System (GIS)

Ettehad Niya M1, Bakhtiari M.H2, Aghaei M 3, Yahyapor A4, Taleb pour M5

1,2,3,4 Master of Science in Sport Management, Faculty of Physical Education and Sport Sciences –Mashhad Ferdowsi University Iran. 5 Associate Professor of Sport Management, Faculty of Physical Education and Sport Sciences – Mashhad Ferdowsi University Iran

Abstract:

Objective: sports facilities are one of the sports development tools. It seems that access to these spaces can be effective in increasing physical activity in urban populations. Now one of the most important problems in cities Poor establishment of sports areas among other users. So that many people, due to lack of access to these spaces cannot be desirable to use them efficiently. To purpose of this study was Spatial Analysis of Sports Places in Bojnourd city Using Geographic Information System (GIS)

Methodology: The study was a descriptive survey. Field data were taken using GPS. Using GIS and spatial analysis in this application to the analysis of sports facilities. Appropriate space on the radius of coverage (small, medium and large) was analyzed separately.

Results: Appropriate spaces on the coverage radius of each location were studied. Finally, results from the fact that a good situation in terms of sports facilities in the city of Bojnourd not fit the space.

Conclusions: Distribution of sports facilities was not proportional to volume of population and area this study of city. Finally there was not spatial appropriate among small, medium and large Sport facilities. However, the results showed a small sports facilities had inadequate the spatial Appropriate, medium sports facilities had a modest spatial appropriate and large sports facilities had not spatial appropriate.

Keywords: Sports facilities - GIS - spatial analysis - spatial appropriate