



Evaluating the optimal access to sports facilities

Oral Presentation

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Abstract

Introduction: The present study investigated the optimal access to sports facilities in Tehran.

Methods: The study was applied research and for monitoring of variables and data analysis was descriptive and analytical. For data analysis, SPSS and ARC GIS were used. The data used in the process of implementing the project based on project objectives were: 1- Road network in Tehran and Network Access. 2- Map of sports areas in Tehran as servicing center on the Network Access 3- Urban land use map of Tehran (Especially residential) 4- Other data related to geographical features.

Results: The research findings showed that based on the study and design of target points on GIS layers District 10 to 86 percent has the highest level of sport's coverage area and then the 6, 14, 8 and 3 were located respectively with 84, 80, 79, and 77 percent in the next category. Regions 21 and 22 were not well distributed despite high per capita sports area with minimum coverage level of sports servicing area. After this, regions 18, 5 and 4, respectively 35, 43 and 57 percent of the least important loss of service. In the region of 21 only 43 percent of the residential land use were located in the sports servicing area. And then 22 and 5 least favorite areas in the distribution of its sports spaces. Region 8 with 96% And District 10 to 99% Have the highest proportion of residential land use. The findings showed that areas with high population density and habitation have the least facilities. Also, areas with more sports space per capita have the least access to sports facilities within the optimal pedestrian access radius.

Conclusion: According to the results of this study, having a high per capita sport does not necessarily require more use and more access. In fact, the main sports facilities in Tehran are located in areas where the opportunity to visit them is relatively small.

Keywords

Access Network; capitation; sports spaces; sport users; Tehran city