

DETERMINATION OF THE AFFILIATED DEVELOPMENT DEGREE OF SCIENCE, RESEARCH AND TECHNOLOGY MINISTRY UNIVERSITIES IN TERMS OF SPORTS SPACE

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Abstract

A feature of third World countries is severe focus or imbalances, this feature is included of disabled policies of polar growth, as a result of this policy, all the features and power concentration focus in one or more regions and other marginal areas act as marginal. To apply balance and shape adequate and homogeneous spaces, the proposed regional planning has been considered and the first step of regional planning is different socio-economic and cultural areas inequalities knowledge. The purpose of this research is to determine the affiliated Development Degree of Science, Research and Technology Ministry Universities in terms of Sports spaces. The research is descriptive and analytical procedure. The population is the schools of ten districts of Science, Research and Technology Ministry (96 universities). The required data includes physical education and sports indicators and data related to studied documents of the universities was produced by division of construction projects and department of Physical Education and Sport Ministry of Science, Research and Technology and the amounts mentioned in the budget law of 2016 country and the numerical taxonomy method of operation was used to determine the degree of development physical education and sports in terms of physical spaces. The results of the study showed that among all universities, Tafresh University, in terms of physical spaces, located in central province having 2153 students and 6300 square meters of indoor sports hall, swimming pool and available ancillary spaces and under construction has enjoyed among all universities and 15 university without having even one square meter of physical spaces are among the most disadvantaged universities.

Key words: regional planning, numerical taxonomy, the degree of development, sport places of universities.

Introduction

The essential role of sport in various aspects of human life has led all countries seriously to plan to invest in different sports. Developing countries, requires planning and identifying the resources of their country to strengthen the economic infrastructure and dependency and fix existing imbalances, more than any other time. Certainly the most important factors in the growth and development of a country in order to achieve progress is to know the planning status of different areas respectively. Access to facilities and zoning issues correctly are categories which managers to achieve priority goals for their purposes.

Therefore, detailed studies are to determine the level of requirements. By classification of regions level, reveals spatial, social, cultural and economic divisions. Investment and operation of the sport and physical education follow health and vitality, physical, psychological, intellectual and promotion of national pride and solidarity. The development projects in the country's economic system and budgeting is very important and every year, we spend the bulk of national income to invest in development projects and infrastructure in it. The budget allocation is very important in any organization, especially if you are aware of the fact that the budget is limited and organizations have implemented several projects in mind. Ministry of science, research and technology also is not an

exception and with a number of large projects in the field of physical education, tried to take the best decisions on the allocation of its funds in addition to taking into account budgetary constraints, the priorities of the Ministry of Science, Research and Technology will also be considered. Physical education units have been organized in 31 provinces, 10 regions and 96 universities (Table 1). They are all full and meaningful reviewed and analyzed and with determining the degree of development of sports facilities and areas and comparing them with each other, provided fair distribution of resources to all universities in proportion to the sporting facilities and spaces.

Given that sport places are the bed enforcement of activities and sports programs, the quantity and quality of the implementation of training and sports competitions and sports competitions and development has a direct impact among different segments of society, Officials and sports administrators need to anticipate and design and manufacture of sport places for youth (1). This paper aims to investigate and analyze the wealthy (degree of development) of ten districts of Physical Education of the Ministry of Science, Research and Technology of sports and physical education. Of the 28 provinces in Iran in 2005, only one province, Semnan, was in 0.495 with the degree of development of sport facilities and physical

education, Semnan and Zanjan in 2006, were included with respect to the degree of development of 0.712 and 0.755 respectively. In this period, Isfahan, Kohgiluyeh and Boyer-Ahmad, Kerman and Sistan-Baluchistan have been as underdeveloped province in terms of the enjoyment of sports and physical education (2). Most indices are introduced to evaluate the development of social indicators of Fars province have been sport –

culture which indicates the acceptance of the nature of sports development as a socio - cultural administrators of province. Public participation in sport has been focused as a principle in planning and the road passes from the development of the community. Too much emphasis on the social aspects - cultural and economic neglect of exercise which has been priority as an investment in most countries is other results of this research.

Table 1. University of the 10 districts of the Ministry of Science, Research and Technology in the provinces.

Region	Provinces	Number of universities
1	Tehran, Alborz	12
2	Mazandaran, Gilan, Iran	9
3	Ardabil, East Azarbaijan, West Azerbaijan, Zanjan	11
4	Hamedan, Central, Qazvin, Qom	11
5	Kurdistan, Kermanshah, Ilam, Lorestan	6
6	Yazd, Isfahan, Chaharmahal and Bakhtiari	8
7	Gulf, Bushehr, Kohgiluyeh Boyer	8
8	Kerman, Sistan va Baluchestan, Hormozgan	10
9	Khorasan Razavi, Khorasan, South Khorasan, Semnan	15
10	Khuzestan	6

There are four components of the index of "availability and access" the ultimate indicator, indicates that Fars province was still a lack of space per capita sports and development projects, which is one of the important concerns of managers (3). According to a survey carried out by the researcher, there has not been fulfilled a similar study to determine the degree of development in the field of sports and physical education, But studies of development in other areas such as education, housing, healthcare, communications, economic, social and political, welfare, infrastructure and industry, culture and information has investigated disparities in development of the regions studied seems to indicate those components. Taking into account of 11 indicators of communications (fixed phone penetration, mobile penetration, Internet penetration, etc.) and analyze the degree of development of the provinces, Tehran province is in the highest degree of development.

The province with the degree of development of 0.2355 is far from the rest of the provinces. Most provinces in terms of communication are not in a good situation (4). Based on the genetic algorithm of application optimized allocation of human resources in companies that have limited human resources, found in such companies using the most efficient method for allocating human resources is essential and vital, because it makes it less labor costs, shorten the duration of activity and will ultimately better management (5). Applying numerical taxonomy, Morris and Topsis and uses of 36 indicators in five departments, health care, cultural, social, economic and municipal utilities, is marked 5 regions of Rasht ratings and the level of development of each separately. The results indicated that facilities and services are concentrated in the city center. The inequality in five districts has been seen with a significant difference so that the analysis of all three zones one and two are more favorable, but zone five is the most deprived area (6).

International investigation in order to obtain a few specific indicators to measure the development of sports shows that the appropriate criteria for each community, some studies should be based on the community's cultural background and social and economic conditions. Bahita and Ray (2004) have studied to "determine the level of 380 development blocks in 32 districts of India in 2001," using 23 indicators by factor analysis and numerical taxonomy. Based on the results, 56 developed blocks, 156 relatively developed blocks and, 116 less-developed blocks and 52 underdeveloped blocks have been identified and proposals is presented for the development of these areas (7).

According to Sholnkorf (2012) "Sport for development" program provides holistic but flexible framework that is considered cultural heterogeneity and diversity programs, while implementation forms, assessment and planning ahead helps to encourage development projects. A review of works on the assessment of development in various fields including sports reflects the concern of researchers to achieve a clear understanding of the development situation in this area.

In most of these studies lack of equal opportunities in resources, the planning system center-oriented and utilizes a model of development "center - periphery" have caused significant heterogeneity among the regions closer to the centers of power and centers. In addition, in order to improve and develop sports and physical education in universities of 10 areas of Ministry of Science, Research and Technology is necessary to prioritize the allocation of resources, changed from developed regions to regions of lower and disadvantaged areas or planning in this section, to be set based on the natural, social, cultural and talents and interests of the student population in each area. This investment seems necessary in sport for all students to consider a student who has and requires less cost.

Materials and methods

Method of this research is a descriptive one that means by collecting the documents and information and statistics. In this study, descriptive and inferential statistical methods and numerical taxonomy rating model was used to identify inequalities. To classify different taxonomic analysis applied sciences was used. Specific type of numerical taxonomy was proposed in 1763 by Adanson. In this thesis an earlier developed method was developed by a group of mathematicians Polish in the early 1950s and in 1968 has been used as a means of classification and degree of development between different nations by Professor Zygmunt Hellwing the Higher

School of Economics Worclaw was introduced in UNESCO,.

Results

In order to determine the degree of development of universities in 10 areas of Ministry of Sciences, Research and technology, 4 indices indoor sports hall area and side spaces (available - under construction) and indoor pool area and side spaces (available - under construction) was used. As well as to determine the most disadvantaged and most enjoyed four prominent universities in terms of physical space, Numerical taxonomy method was used, the most relevant results listed in the table below.

Table 2 .Ranking of the 10 area University of the Ministry of Science, Research and Technology.

Ranking	University	degree of development	Ideal example	Symbol of development size
1	Tafresh	0.16613	127.512	21.183
2	Agriculture and Natural Resources	0.21032	127.512	26.818
3	Shahr e Kord	0.22828	127.512	29.108
4	Shiraz	0.24039	127.512	30.653
5	Qom	0.25039	127.512	31.928
6	Art	0.26055	127.512	33.223
7	Elam	0.27121	127.512	34.583
8	Fasa	0.27153	127.512	34.623
9	Industrial Sirjan	0.27390	127.512	34.925
10	Kosar	0.28322	127.512	36.114
11	Esfahan	0.28829	127.512	36.761
12	Teacher training	0.29124	127.512	37.137
13	Khorramshahr Marine Science and Technology	0.29350	127.512	37.425
14	Zanjan	0.29415	127.512	37.508
15	Graduate Studies in Basic Sciences	0.29574	127.512	37.710
16	Imam Reza (AS)	0.29734	127.512	37.914
17	Industrial Jondi Shapur	0.30305	127.512	38.643
18	Persian gulf	0.30398	127.512	38.761
19	Sahand	0.30450	127.512	38.827
20	Yasouj	0.30974	127.512	39.496
21	Amir Kabir	0.31303	127.512	39.915
22		0.31331	127.512	39.951
23	Ayatollah Haeri Maybod	0.31333	127.512	39.953
24	Hormozgan	0.31478	127.512	40.138
25	Vali-e-Asr Rafsanjan	0.31483	127.512	40.144
26	Zabul	0.31979	127.512	40.777
27	Agricultural Sciences and Natural Resources, Gorgan	0.32074	127.512	40.898
Ranking	University	degree of development	Ideal example	Symbol of development size
28	Kharazmi	0.32741	127.512	41.749
29	Sistan & Baluchestan	0.32809	127.512	41.835
30	Ahwaz Shahid Chamran	0.32988	127.512	42.064
31	Shiraz	0.33040	127.512	42.130
32	Gonbad Kavus	0.33046	127.512	42.138
33	Shahrood	0.33079	127.512	42.180
34	Arak	0.33087	127.512	42.190
35	Garmsar	0.33122	127.512	42.235
36	Imam Khomeini International	0.33151	127.512	42.271
37	Mazandaran Fanavari	0.33193	127.512	42.325
38	Hakim Sabzvari	0.33431	127.512	42.629
39	Ayyatollah Burujerdi	0.33437	127.512	42.636
40	Tehran	0.33440	127.512	42.640
41	Chahbahar Marine Science	0.33553	127.512	42.784
42	Birjand	0.33565	127.512	42.799
43	Sharif	0.33599	127.512	42.843
44	Maragheh	0.33786	127.512	43.081
45	Mazandaran	0.33856	127.512	43.171
46	Golestan	0.33947	127.512	43.286
47	Kurdestan	0.33947	127.512	43.287

48	Damghan	0.33998	127.512	43.352
49	Tabriz	0.34012	127.512	43.369
50	Ferdowsi	0.34037	127.512	43.401
51	Art of Isfahan	0.34060	127.512	43.431
52	Gui an	0.34130	127.512	43.520
53	Semnan	0.34194	127.512	43.601
54	Elm ve Sanat	0.34220	127.512	43.635
55	Urmia	0.34256	127.512	43.681
Ranking	University	degree of development	Ideal example	Symbol of development size
56	Kashan	0.34256	127.512	43.699
57	Bu Ali	0.34271	127.512	43.739
58	Allame tabatabae'i	0.34302	127.512	43.778
59	Industrial of Isfahan	0.34332	127.512	43.872
60	Alzahra	0.34406	127.512	43.885
61	Shahid Madani	0.34416	127.512	43.899
62	Behbahan Khatamol Anbia Industrial	0.34427	127.512	43.944
63	Tabriz Islamic Art	0.34463	127.512	43.951
64	Tehran - Agriculture and Natural Resources	0.34468	127.512	44.000
65	Razi	0.34507	127.512	44.035
66	Jiroft	0.34534	127.512	44.120
67	Industrial of Babol	0.34601	127.512	44.199
68	Malayer	0.34663	127.512	44.230
69	Ardakan	0.34687	127.512	44.303
70	Birjand	0.34744	127.512	44.367
71	Hoveizeh Industrial	0.34794	127.512	44.415
72	Shahid Beheshti	0.34832	127.512	44.428
73	Birjand Industrial	0.34842	127.512	44.504
74	Yazd	0.34902	127.512	44.569
75	Khajeh Nasireddin Tusi Industrial	0.34953	127.512	44.628
76	Lorestan	0.34999	127.512	44.652
77	Sari Agriculture	0.35018	127.512	44.811
78	Mohaghegh Ardabili	0.35143	127.512	44.919
79	Velayat IranShahr	0.35227	127.512	45.120
80	Farzanegan of Semnan	0.35385	127.512	45.189
81	Art of Shiraz	0.35439	127.512	45.257
82	Kerman Shahid Bahonar	0.35492	127.512	45.267
83	Bonab	0.35500	127.512	45.269
Ranking	University	degree of development	Ideal example	Symbol of development size
84	Amol Fanavari Novin	0.35502	127.512	45.287
85	Advanced Graduate Studies in Industrial and Advanced Technology	0.35516	127.512	45.305
86	Ghaenat Bozorgmehr	0.35530	127.512	45.308
87	Nishabur	0.35532	127.512	45.311
88	Seyed Jamal AsadAbadi	0.35535	127.512	45.315
89	Industrial of Hamadan	0.35538	127.512	45.315
90	Industrial of Kermanshah	0.35538	127.512	45.315
91	Salman Farsi of Kazrun	0.35538	127.512	45.321
92	Industrial of Qom	0.35543	127.512	45.321
93	Torbat Heidariyeh	0.35543	127.512	45.324
94	Industrial of Urmia	0.35545	127.512	45.325
95	Jahrom	0.35546	127.512	45.325
96	Ghuchan Fanavari Novin	0.35546	127.512	43.681

Table 3. Deprived Universities in Physical Spaces.

		N	Ranking
1	Technical Engineering of Qouchan New Technologies	2481	96
2	Jahrom	2472	95
3	Industrial Urmia	2335	94
4	Qom Industrial	2015	93
5	Torbat heidaryeh	1973	92
6	Salman Farsi Kazeroun	1523	91
7	Hamedan Industrial	1519	90
8	Industrial Kermanshah	1493	89
9	Seyyed Jamaledin Asad Abadi	1329	88
10	Neyshabour	1173	87
11	Gaenat BozorgMehr	1113	86
12	Advanced Graduate Studies in Industrial and Advanced Technology	740	85
13	Amol New Technology	549	84
14	Art of Shiraz	260	81
15	Farzanegan Semnan	179	80

Conclusion

The results of measuring of development degree of universities in the 10 districts of the Ministry of Science, Research and Technology in terms of enjoyment of physical spaces (spaces halls and swimming pools and accessories) are available as follows: afresh university in the central province having 2153 students in grades Bachelor's, Master's and Ph.D., is superior among the universities (96 University), in terms of physical space referred to university and 5100 square meters of physical space, sports hall and additional available spaces and under construction and 1200 square meter pool and ancillary spaces.

And universities in order of priority set forth in table 4 with the number of students without having even one square meter of physical space including gym and pool areas are the most deprived universities of the Ministry of Science. It is proposed to distribute development credits of physical education department of the Ministry of Science, Research and Technology every year based on the results of the research done, so within the next few years all universities according to the number of students in the areas of sport and physical spaces and have gradually eliminated the disparities.

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