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The battery work for physical, motor and body abilities of basketball players in Iraq 2018-2019 season

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Abstract

The sports field in any country in the world is like the rest of the world, and its development is followed by the development of these multiple fields. As a result of the process of analysis of a matrix links the tentative tests (21) test has been drawing (3) independent factors. The results of the analysis using the basic components, the efficiency of the way through the percentage achieved to explain the disparities to measure the variation of the interpreter of the three factors. Reflecting the importance of the factors derived from the analysis in the arranged installation, as each factor extracted important that differ from the others. The importance of factors in after Friday's learned the value of the tests put the equation of the relative weight to the values achieved by the basketball player in tests candidate countries. It is necessary to adopt an analysis for building battery levels in basketball players. The battery is used and taught advanced basketball teams to diagnose building owned by the player. The use of the equation can be derived from the process of factor analysis in the assessment and selection of players in the National Basketball Association. An analytical study of the candidate tests using recycling italics to indicate the vehicle and influential variables in the evaluation process basketball players.

Keywords: *the battery work, physical abilities, motor abilities, basketball, players, Iraq, 2018-2019 season*

Introduction

The question of the usefulness of tests in determining basketball play centers as it was found that there is a difference in the levels of players through one center or other centers and here is the importance of research and its problem in determining the capabilities of all play centers by building a typical battery for emerging basketball players. (**Sharbasha, 2019**) The research aims to identify the simple work structure of the physical, physical and motor abilities of Iraq's emerging basketball players (**Abdul Rahman, 2012**).

Literature Review

The sports field in any country in the world is like the rest of the world, and its development is followed by the development of these multiple fields (**Bastweissi, 1999**) and through readings on the literature of the educational field, we can conclude that the development of the political level is linked to the progress of the peoples. The most important thing that distinguishes the basketball player from the rest of the games are the physical measurements and physical and motor abilities in addition to other variables may be mental or psychological ... etc. (**Abdel Moneim, 2013**). The division of basketball play centers lacks objectivity and is

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far from the specifications of players in each of the play centers, as it was found that there is a specificity of the center occupied by the player in terms of physical and motor abilities as well as physical measurements and that all these indicators take into account the appointment of players according to the play centers (**Qasim, 1999**).

Methodology

1. Use the descriptive method in the correlation method to suit the nature of the search.
2. *The research community* represents the 90 players participating in the 2018-2019 Premier League basketball community (**Ahmed, 2000**).
3. In order to build a test battery (physical, physical, kinetic) on the researched players, researchers must nominate tests to measure the abilities researched, and for this was based on the survey of many theoretical references, particularly previous tests for both (**Shabba, 2016**)
4. To demonstrate the validity of the tests, a researcher with the preparation of the identification of experts and specialists as well as a statement of the relative importance of each and all came the results of the interest and importance of different comparative advantage **(Mohamed, 2018)**

The final set of tests as it was applied to young players to ensure the appropriateness of the research sample tests they were conducting reconnaissance experience (50) player in physical tests and measurements of the physical kinetic tests, and the number of tests (21) test **(Kamal, 1987).**

Results

1. *Initial data matrix*

Table (1) shows the statistical estimates on a matrix of data on the results of the tests (physical, mobility, physical)

T	tests	median	Standard Deviation	standard error	Wryness	kurtosis	Distribution
1	distinctive force as soon as the two men right	8.3	1.12	0.11	0.34	0.052	normal
2	distinctive force as soon as the two men left	7.5	0.62	0.07	0.37	0.586	normal
3	capacity of the Explosive wings offered	330.17	1.15	0.51	0.19	0.438	normal
4	force of the two men	24.05	0.61	0.48	0.20	0.334	normal
5	Carrying the force wings offered	Reached 23.06	0.96	0.82	0.92	0.10	normal
6	Carrying Speed	55.73	1.95	0.20	0.68	0.56	normal
7	distinctive wings offered the speed force	9.18	0.21	0.21	0.27	0.48	normal
8	explosive power of the two men	She darted like	0.54	0.46	0.30	0.80	normal
9	Length	165.72	0.95	0.58	0.18	0.13	normal

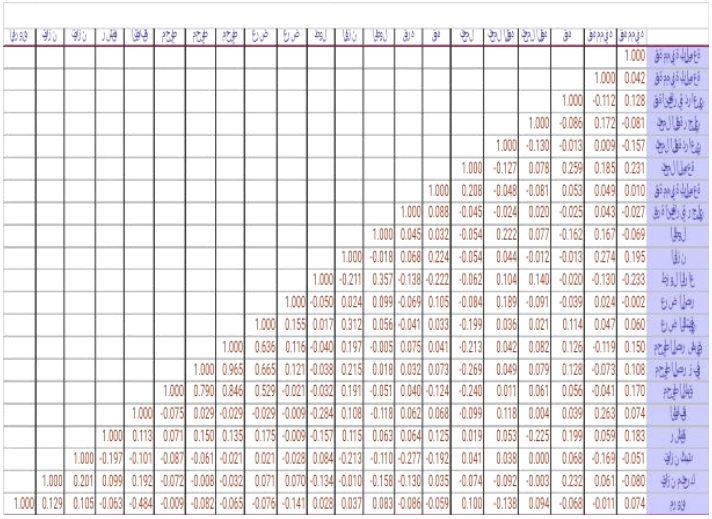
10	**Weight**	63.23	1.65	0.73	0.19	0.83	normal
11	**length of the lever**	62.45	1.67	0.59	0.51	0.08	normal
12	**Chest width**	28.80	1.38	0.19	0.68	0.71	normal
13	**Shoulders width**	Futures reached 43.85	2.61	0.72	0.60	0.73	normal
14	**Chest width inhalation**	85.84	2.01	0.42	0.05	0.86	normal
15	**Chest width inspiration**	82.57	2.63	0.46	0.53	0.51	normal
16	**Leg width**	41.08	2.46	0.52	0.04	0.61	normal
17	**Compatibility**	8.80	1.52	0.16	0.29	0.43	normal
18	**Agility**	12.94	1.43	0.15	0.33	0.14	normal
19	**Static Balance**	3.17	0.33	0.03	0.89	0.75	normal
20	**A balance moving**	58.82	2.59	0.62	0.63	0.94	normal
21	**Flexibility**	48.54	1.58	0.61	0.47	0.79	normal

That is reflected in the table (1) is the moderation distribution of players on the candidate tests because all of the torsion is zero parameter values tend to distribution, any that has the capacity to test showed the differences between the group when the twisting zero growth.

2. *A matrix of bilateral links for tests*

The process of analytical analysis needs to be the results of the tests of the players distributed moderately and it is worth mentioning here that this study has the first purpose of identifying the matrix of interconnections after converting grades from raw to standard grades (**Kazim, 2009**) and this is the objective of the study that the application group included in the study reached (90) students at the level of significance (0.05) and most of the relationships was statistically valid and table (2) matrix of correlation.

Table (2) shows a matrix of bilateral links



3. *Appreciation of the initial Solution (select a matrix of factors before recycling)*

It is necessary to analyze the matrix of interconnections a working factor and that the process of worker analysis is to obtain the matrix of the working model which showed (9) factors controlling the candidate

tests (table 3) as this analysis was done using the method of basic components and table (3) shows the matrix of factors before rotation

Table (3) shows a matrix of factors before recycling

Component									
9	8	7	6	5	4	3	2	1	
-0.085	0.061	0.053	0.004	-0.029	-0.009	0.033	-0.125	0.942	VAR00015
-0.106	0.028	0.066	-0.050	-0.024	0.027	0.081	-0.154	0.941	VAR00014
0.056	-0.097	0.045	-0.107	-0.141	0.109	0.087	-0.195	0.851	VAR00016
-0.004	0.046	-0.017	0.238	0.077	-0.027	0.016	-0.082	0.769	VAR00013
0.069	0.105	0.362	0.104	0.208	0.051	-0.214	-0.652	-0.115	VAR00011
0.085	-0.106	0.252	0.123	-0.377	-0.442	-0.225	0.565	0.059	VAR00017
0.068	-0.117	-0.288	0.235	-0.016	0.281	-0.139	0.400	0.374	VAR00010
0.166	0.065	0.149	0.266	0.391	0.253	-0.551	-0.252	-0.003	VAR00009
0.008	0.245	0.487	0.026	0.315	-0.185	0.489	0.201	0.144	VAR00003
0.067	-0.200	0.070	0.132	0.334	-0.367	-0.452	-0.093	0.073	VAR00005
-0.079	-0.187	-0.004	0.286	-0.028	-0.331	0.446	-0.369	-0.134	VAR00019
0.261	0.104	-0.408	0.210	0.138	0.523	0.352	-0.282	-0.126	VAR00021
-0.194	0.172	0.327	0.350	-0.498	0.357	-0.057	-0.207	0.018	VAR00004
0.143	-0.119	0.121	0.560	-0.197	0.289	-0.305	0.399	-0.023	VAR00002
0.235	0.414	-0.169	0.496	-0.099	-0.368	0.385	0.164	-0.002	VAR00020
0.056	0.390	0.052	-0.446	-0.151	0.211	-0.297	0.235	0.083	VAR00008
-0.320	-0.091	0.409	0.132	0.266	0.386	0.329	0.289	-0.305	VAR00006
0.072	-0.564	0.083	-0.088	0.143	0.299	0.325	0.347	0.203	VAR00001
0.494	0.125	0.099	-0.072	0.437	-0.051	0.024	0.406	0.251	VAR00018
-0.476	0.384	-0.174	0.042	0.288	0.147	-0.065	0.466	0.067	VAR00007
-0.466	-0.100	-0.282	0.252	0.316	-0.283	-0.233	0.033	0.154	VAR00012

4. *Estimate the final solution of a matrix of factors after recycling*

The researchers conducted a perpendicular rotation of factors through the adjustment in the angles of the axes, as we note in table (4) that the saturations on the factors have changed their value if compared to saturations on the factors before rotation with the stability of the socialists as well as the difference of in-kind values and thus we have completed the process of analysis of the preliminary factors which is the final step to solve the model

Table (4) Shows saturations of search variables on factors extracted after rotation

Component									
9	8	7	6	5	4	3	2	1	
0.057	-0.060	-0.079	0.029	-0.030	0.022	-0.070	-0.026	0.981	VAR00014
0.078	0.001	-0.075	0.001	-0.037	0.047	-0.020	0.002	0.966	VAR00015
-0.160	-0.133	-0.063	-0.096	-0.024	-0.026	-0.004	-0.061	0.888	VAR00016
0.135	0.152	-0.012	0.002	0.109	-0.041	0.158	0.117	0.765	VAR00013
0.057	-0.104	0.051	-0.004	-0.106	-0.165	0.279	0.836	-0.017	VAR00009
-0.148	-0.086	-0.167	0.124	0.079	-0.097	-0.213	0.710	0.052	VAR00011
0.174	-0.094	0.293	-0.116	0.179	0.283	0.047	0.473	-0.014	VAR00005
-0.046	0.110	-0.270	0.016	0.022	0.140	0.890	0.198	-0.108	VAR00002
0.156	0.026	0.070	-0.172	-0.073	-0.131	0.601	-0.104	0.225	VAR00010
-0.120	0.220	0.051	-0.116	0.121	-0.898	0.154	0.044	-0.067	VAR00021
-0.101	0.154	-0.043	-0.029	-0.034	0.785	0.348	-0.208	-0.079	VAR00017
-0.112	-0.104	0.008	-0.098	-0.771	0.092	-0.107	-0.054	0.010	VAR00008
-0.002	0.225	-0.121	0.090	0.681	-0.058	-0.191	-0.098	0.010	VAR00019
0.140	-0.221	-0.189	0.804	0.113	-0.030	0.113	0.031	-0.232	VAR00006
-0.043	0.252	0.174	0.756	0.067	0.148	-0.264	0.038	0.176	VAR00003
-0.131	0.066	-0.847	0.130	-0.032	0.055	0.315	0.120	0.216	VAR00004
-0.170	0.180	0.687	0.203	-0.232	-0.026	0.108	0.201	0.049	VAR00018
0.017	0.901	0.048	0.020	0.240	-0.100	0.145	-0.177	-0.029	VAR00020
-0.151	-0.409	0.245	0.289	0.212	-0.043	0.265	-0.239	0.128	VAR00001
0.728	-0.013	0.044	-0.065	0.281	0.096	0.028	0.072	0.104	VAR00012
0.673	0.093	-0.015	0.281	-0.326	-0.068	0.039	-0.119	-0.014	VAR00007

5. *To draw conclusions from the analysis and the Test Battery (physical, my body, kinesthetic):*

After the completion of the process of analytical analysis was confirmed the validity and efficiency of the method used and in light of this the researchers followed a number of conditions for accepting factors, the most important of which is the reliance on the matrix of spin factors and the acceptance of the factor on which three paragraphs are saturated moral function and saturated equal to or exceed (0.50) and from this we reached the following acceptable factors:

Table (5) shows acceptable factors derived from the analysis process and the tests saturated on it

Working Group	The tests that has been saturated by	Order of the Saturation	Designation of the Working Group

I	**surroundings of chest in the case of the Inspiratory**	0.981	Saturated pad on this working group a group of physical tests this working group is the particular physical measurements in building the Battery
	surroundings of Al Sadr in the case of exhaling	0.742	
	surroundings of the leg	0.909	
	shoulders	0.765	
Ii	**length of the body**	0.334	This working group has been saturated in three tests is the physical and physical
	length of the lever	0.690	
	Carrying the Force Handless	0.509	
Iii	**distinctive force as soon as the man left**	0.334	Saturated in this Working Group 4 tests, physical and physical vehicle and mobility
	Body Weight	0.601	
	Kinesthetic Consensus	0.354	
	Carrying the force of two men	Us$ 0.315	

From table 5, there is a (11) saturation test on (3) factors derived from the analysis, such as the first factor tests (chest circumference in the case of inhalation, chest circumference in case of exhalation, leg circumference, shoulder width) and the second factor (body length, arm length, arm length, arm bearings) and represented the third factor (strength characteristic of the left man, body weight, motion compatibility, carrying strength of two men) (**Mandala, 1989**)

Conclusions

1. As a result of the process of analysis of a matrix links the tentative tests (21) test has been drawing (3) independent factors.
2. The results of the analysis proved ameli, in a manner the basic components, the efficiency of the way through the percentage achieved to explain the disparities to measure the variation of the interpreter of the three factors.
3. Reflecting the importance of the factors derived from the analysis in the arranged installation, as each factor extracted important that differ from the others.
4. The importance of factors in after Friday's learned the value of the tests put the equation of the relative weight to the values achieved by the basketball player in tests candidate countries. It is necessary to adopt an analysis for building battery levels in basketball players.
5. The battery is used and taught advanced basketball teams to diagnose building owned by the player.
6. The use of the equation can be derived from the process of factor analysis in the assessment and selection of players in the National Basketball Association.
7. An analytical study of the candidate tests using recycling italics to indicate the vehicle and influential variables in the evaluation process basketball players

References

Abdel Moneim Ahmed Jassim al-Janabi, 2013, construction of the Fitness battery for GOALKEEPERS soccer magazine, Mesopotamia, the Mathematical Sciences, Faculty of Education, University of Mosul, Vol.12, No. 63

Abdel Rahman Mohammed Hadi Bashir, 2012, building a fitness test battery of members of the Palestinian army, Phd Thesis, Faculty of Graduate Studies, An Najah National University

Ahmed Fawzi, Gibraltar 11/6 Badruddin, 2000, the psychology of sports team, i1, the Arab Thought, Cairo

Bastweissi Ahmed, 1999, Foundations and Theories of Sports Training, Cairo, Arab Thought House

Kamal Saleh, 1987, the foundations of the calendar and measurement in physical education. I2, Cairo

Kazem Jaber Amir, 2009, physiological tests and measurements in the sports field. Kuwait: Oxford of chains

khdier Abass, Zeina, et al. "Conceptual Issues in Private information on Lean Accounting: Subject Review."

Mandalui and others, 1989, tests, measurement and evaluation in physical education. Mosul: Higher Education Presses

Mohammad Liamine Zeroual, 2018, the construction of physical battery selection tests for school basketball teams in the secondary stage, Phd Thesis, University of Mohamed al-Aukhaider, biskra.

Noorullah, A. S. The affecting factors on the quality of the audit before and after the collapse of the US energy company Enron: A.

Qassim Hassan Hussein and Bastweissi Ahmed, 1999, isotoni muscular training in sports events. Baghdad: Arab World Press

Shabba, Faris & Mohammed, Laith. (2016). Constructing and Standardizing Physical Tests for Speed Endurance In Youth Basketball

Sharabsha; Rafika, 2019, regulate the battery capacity test center Unified Mobility) together with theed science and techniques of physical and sports activities, Phd Thesis, University of Mohamed Boudiaf, tear