APPENDIX I: DATA ANALYSIS of paper

Table S1. Team Score and Team Ranking

Team	Total Score	Ranking	Team	Total Score	Ranking
Angola	-0.4618	27	Greece	0.6763	11
Ivory Coast	-0.529	28	Italy	0.997	8
Nigeria	0.8865	9	Lithuania	1.2343	6
Tunisia	0.3775	16	Montenegro	-0.0978	25
Senegal	-0.7509	29	Poland	0.305	20
Australia	1.1554	7	Russia	0.6175	14
China	0.233	22	Serbia	1.9908	3
Iran	0.3695	18	Spain	3.0614	1
Japan	-0.9728	31	Turkey	0.3725	17
Jordan	-0.8437	30	Argentina	2.0735	2
New Zealand	0.6647	12	Brazil	0.3481	19
Philippines	-1.108	32	Canada	0.5725	15
South Korea	-0.4226	26	Dominican Republic	-0.0731	24
Czech Republic	0.6523	13	Puerto Rico	-0.0667	23
France	1.6218	4	United States	1.5097	5
Germany	0.8107	10	Venezuela	0.2709	21

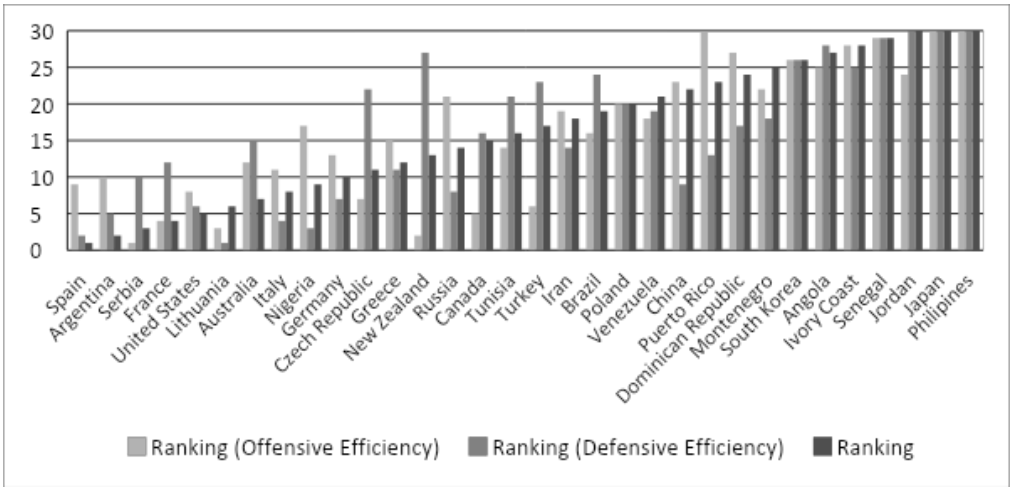

Fig. S1. Team Rankings according to Offensive and Defensive Efficiencies

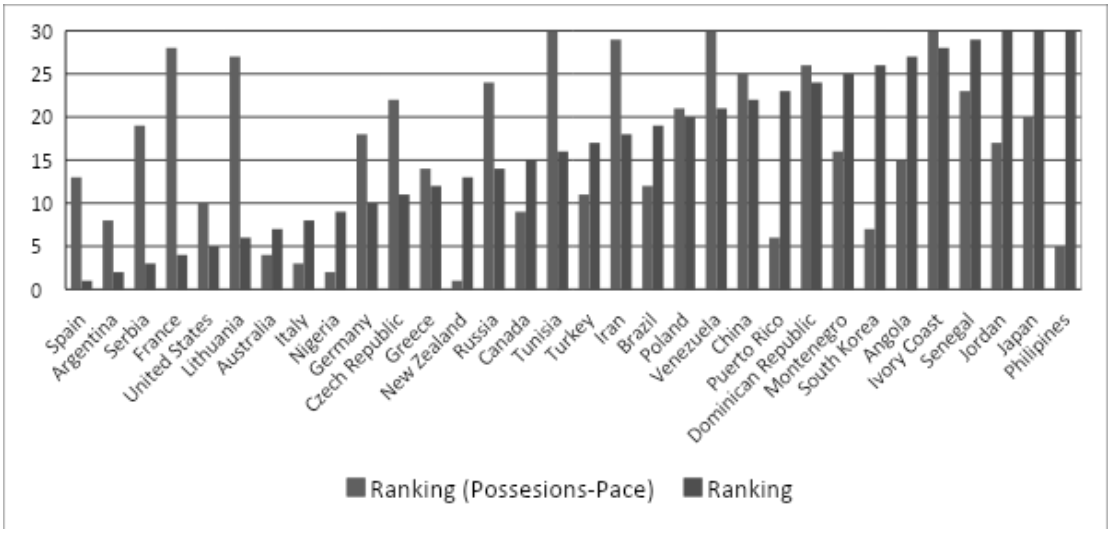

Fig. S2. Team Rankings according to Possessions per Game- Team Pace

Table S2. Correlation of Efficiencies and pace with Team Score

Correlation with Team Score (Spearman) and Statistical Test			
	Offensive Efficiency	**Defensive Efficiency**	**Possessions per Game - "Pace"**
Spearman ρ	0.845	-0.797	0.180
Statistic	846	9806	4472
p-value	~0	~0	0.3219
Pearson r	0.797	-0.805	0.1122
Statistic	7.2185	-7.4253	0.61851
p-value	~0	~0	0.5409

Table S3. Offensive Factors and Team Score

Team	Shooting Factor	Off. Rebounding	Turnover Factor	Free-Throw Factor	Total Score
Angola	0.479	0.214	0.173	0.171	-0.4618
Ivory Coast	0.440	0.306	0.176	0.145	-0.529
Nigeria	0.531	0.259	0.160	0.211	0.8865
Tunisia	0.514	0.271	0.132	0.168	0.3775
Senegal	0.433	0.266	0.156	0.133	-0.7509
Australia	0.563	0.313	0.163	0.213	1.1554
China	0.478	0.252	0.148	0.227	0.233
Iran	0.518	0.307	0.173	0.231	0.3695
Japan	0.429	0.202	0.158	0.248	-0.9728
Jordan	0.472	0.269	0.192	0.194	-0.8437
New Zealand	0.598	0.272	0.146	0.364	0.6647
Phillipines	0.436	0.280	0.165	0.158	-1.108
South Korea	0.444	0.267	0.164	0.174	-0.4226
Czech Republic	0.563	0.288	0.152	0.172	0.6523
France	0.577	0.259	0.132	0.285	1.6218
Germany	0.515	0.286	0.145	0.231	0.8107
Greece	0.519	0.205	0.126	0.237	0.6763
Italy	0.543	0.236	0.145	0.278	0.997
Lithuania	0.522	0.336	0.122	0.285	1.2343
Montenegro	0.479	0.248	0.155	0.148	-0.0978
Poland	0.513	0.266	0.158	0.286	0.305
Russia	0.493	0.268	0.164	0.265	0.6175
Serbia	0.623	0.339	0.164	0.328	1.9908
Spain	0.521	0.271	0.140	0.225	3.0614
Turkey	0.547	0.232	0.126	0.186	0.3725
Argentina	0.530	0.254	0.130	0.267	2.0735
Brazil	0.493	0.206	0.131	0.226	0.3481
Canada	0.524	0.306	0.130	0.209	0.5725
Dominican Republic	0.447	0.271	0.161	0.178	-0.0731
Puerto Rico	0.406	0.267	0.150	0.182	-0.0667

United States	0.513	0.299	0.112	0.175	1.5097
Venezuela	0.463	0.379	0.132	0.138	0.2709

Table S4. Defensive Factors and Team Score

Team	Shooting Factor	Defensive Rebounding	Turnover Factor	Free-Throw Factor	Total Score
Angola	0.566	0.694	0.156	0.263	-0.4618
Ivory Coast	0.583	0.696	0.163	0.137	-0.529
Nigeria	0.479	0.798	0.178	0.197	0.8865
Tunisia	0.544	0.671	0.166	0.173	0.3775
Senegal	0.532	0.646	0.135	0.257	-0.7509
Australia	0.515	0.819	0.117	0.186	1.1554
China	0.452	0.672	0.163	0.234	0.233
Iran	0.497	0.753	0.125	0.151	0.3695
Japan	0.590	0.646	0.119	0.105	-0.9728
Jordan	0.628	0.671	0.136	0.175	-0.8437
New Zealand	0.508	0.737	0.109	0.296	0.6647
Phillipines	0.618	0.690	0.132	0.236	-1.108
South Korea	0.518	0.684	0.110	0.149	-0.4226
Czech Republic	0.528	0.774	0.106	0.151	0.6523
France	0.478	0.697	0.150	0.249	1.6218
Germany	0.481	0.766	0.167	0.201	0.8107
Greece	0.481	0.763	0.144	0.227	0.6763
Italy	0.443	0.705	0.173	0.225	0.997
Lithuania	0.439	0.750	0.162	0.191	1.2343
Montenegro	0.533	0.758	0.167	0.287	-0.0978
Poland	0.518	0.709	0.144	0.174	0.305
Russia	0.417	0.721	0.151	0.375	0.6175
Serbia	0.469	0.758	0.156	0.241	1.9908
Spain	0.457	0.736	0.180	0.178	3.0614
Turkey	0.539	0.711	0.152	0.245	0.3725
Argentina	0.439	0.723	0.173	0.214	2.0735
Brazil	0.543	0.786	0.146	0.216	0.3481
Canada	0.520	0.665	0.174	0.250	0.5725
Dominican Republic	0.534	0.748	0.169	0.250	-0.0731
Puerto Rico	0.495	0.736	0.157	0.254	-0.0667
United States	0.470	0.782	0.145	0.171	1.5097
Venezuela	0.493	0.714	0.142	0.341	0.2709

Table S5. Multiple regression of Factors and Team Score

Multiple regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-1.6890	2.6430	-0.639	0.5290
Shooting_Factor_offence	8.0782	2.3401	3.452	0.00217***
Shooting_Factor_defence	-7.6572	2.3575	-3.248	0.00355***
Turnover_Factor_offence	-6.4152	5.0027	-1.282	0.2125
Turnover_Factor_defence	9.7629	4.1390	2.359	0.02721**
Offensive_Rebounding	1.9200	2.1450	0.895	0.38001
Defensive_Rebounding	2.2601	2.0697	1.092	0.28615
FreeThrow_Factor_offence	0.0054	2.1439	0.003	0.9980
FreeThrow_Factor_defence	-2.9816	1.4109	-2.113	0.04564**
Overall Diagnostics				
Multiple R-squared: 0.8438	**Adjusted R-squared: 0.7895**		**F-Statistic: 15.53 (p-value:~0)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 8 and 23 respectively.

Table S6. Offense vs. Defense in Team Performance

Coefficients	Offensive Factor	Defensive Factor
Shooting	9.031***	-12.072***
Turnovers	-17.340***	7.283
Rebounds	3.589	5.217**
Free-Throws	2.389	-3.246*
Overall Diagnostics		
Multiple R-squared	0.636	0.6741

Adjusted R-squared	0.5821	0.6258
F-Statistic[1]	11.80 (p-value ~0)	13.96 (p-value ~0)

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1]*Degrees of Freedom for the F-test are 4 and 27 respectively.*

Table S7. Correlation of Five Players with greatest usage and Team Score

Correlation with Team Score (Spearman) and Statistical Test				
	Avg. Usage of first 5 players	**Avg. Position of first 5 players**	**Avg. Minutes of first 5 players**	**% of Plays of first 5 players**
Spearman	0.0150	-0.225	-0.198	-0.037
Statistic	5374	6684.8	6534.1	5658
p-value	0.9353	0.2152	0.2783	0.8404
Pearson r	0.0870	-0.258	-0.2116	-0.0755
Statistic	0.4783	-1.4619	-1.186	-0.4146
p-value	0.6359	0.1542	0.2449	0.6814

*Statistical significant at 0.1 level, **Statistical significant at 0.05 level, *** Statistical significant at 0.01 level*

Table S8. Multiple regression of factors of Five Players with greatest usage and Team Score

Multiple regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	5.0791	4.4764	1.135	0.267
Avg. Usage of first 5 players	-0.1382	0.1562	-0.885	0.384
Avg. Position of first 5 players	-0.5710	0.3552	-1.608	0.120
Avg. Minutes of first 5 players	-0.2165	0.1331	-1.626	0.115
% of Plays of first 5 players	7.6351	5.7218	1.334	0.193
Overall Diagnostics				
Multiple R-squared: 0.15	**Adjusted R-squared: 0.02412**		**F-Statistic: 1.192 (p-value:~0.337)**[1]	

*Statistical significant at 0.1 level, **Statistical significant at 0.05 level, *** Statistical significant at 0.01 level*

[1] *Degrees of freedom are: 4 and 27 respectively.*

Table S9. Correlation of Player with the greatest usage and Team Score

Correlation with Team Score (Spearman) and Statistical Test				
	Usage	**Position**	**Minutes**	**% of Plays**
Spearman ρ	0.0924	-0.3318	-0.02108	0.0058
Statistic	4952	7266.4	5571.1	5424
p-value	0.6138	0.06356*	0.9088	0.9752
Pearson r	0.232	-0.3108	-0.0423	-0.0474
Statistic	1.3088	-1.7908	-0.23213	-0.25982
p-value	0.2005	0.08341*	0.818	0.7968

*Statistical significant at 0.1 level, **Statistical significant at 0.05 level, *** Statistical significant at 0.01 level*

Table S10. Multiple regression of factors of Player with the greatest usage and Team Score

Multiple regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-1.58915	1.66549	-0.954	0.3485
Usage	0.13687	0.07530	1.818	0.0802*
Position	-0.15508	0.10940	-1.417	0.1678
Minutes	0.03659	0.03885	0.942	0.3547
% of Plays	-11.79150	8.82618	-1.336	0.1927
Overall Diagnostics				
Multiple R-squared: 0.1954	**Adjusted R-squared: 0.07625**		**F-Statistic: 1.64 (p-value:~0.1932)**[1]	

*Statistical significant at 0.1 level, **Statistical significant at 0.05 level, *** Statistical significant at 0.01 level*

[1] *Degrees of freedom are: 4 and 27 respectively.*

Table S11. Correlation of League Effects and Team Score

Correlation with Team Score (Spearman) and Statistical Test				
	NBA Players	**Euroleague Players**	**Eurocup& BCL Players**	**NCAA Players**
Spearman ρ	0.667	0.439	0.398	-0.350
Statistic	1817.42	3058.9	3284.6	7366.831
p-value	~0***	0.0119**	0.0241**	0.0494**
Pearson r	0.551	0.459	0.232	-0.3717
Statistic	3.6218	2.8292	1.3079	-2.1932
p-value	0.0011***	0.0082***	0.2008	0.0362**

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

Table S12. Multiple regression of League Effects and Team Score

Multiple regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-0.12721	0.21586	-0.589	0.5606
No of NBA Players	0.18924	0.05073	3.730	0.009***
No of Euroleague Players	0.11529	0.05204	2.216	0.0353**
No of Eurocup& BCL Players	0.08622	0.05764	1.496	0.1463
No of NCAA Players	-0.39119	0.26231	-1.491	0.1475
Overall Diagnostics				
Multiple R-squared: 0.5416	**Adjusted R-squared: 0.4737**		**F-Statistic: 7.975 (p-value:~0***)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 4 and 27 respectively.

Table S13. Regression of Top-League Effect and Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-0.30230	0.19476	-1.552	0.131
Top-League Effect	0.16559	0.03189	5.193	~0***
Overall Diagnostics				
Multiple R-squared: 0.4733	**Adjusted R-squared: 0.4558**		**F-Statistic: 26.96 (p-value:~0***)[1]**	

**Statistical significant at 0.1 level, **Statistical significant at 0.05 level, ***Statistical significant at 0.01 level*

[1] Degrees of freedom are: 1 and 30 respectively.

Table S14. Correlation of Height Effects and Team Score

Correlation with Team Score (Spearman) and Statistical Test		
	Average Height	**No of Players with Height.over.2.m**
Spearman ρ	0.6173	0.2785
Statistic	2088.2	3936.6
p-value	~0***	0.1228
Pearson r	0.5308	0.1742
Statistic	3.4307	0.96881
p-value	~0.0017***	0.3404

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

Table S15. Regression of Average Height and Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic**	**p-value**
Intercept	-37.37130	11.03541	-3.386	~0.002***
Average Height	0.19036	0.05549	3.431	~0.002***
Overall Diagnostics				
Multiple R-squared: 0.2818	**Adjusted R-squared: 0.2578**		**F-Statistic: 11.77 (p-value:~0.002***)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 1 and 30 respectively.

Table S16. Regression of No. of Players over 200 cm and Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic**	**p-value**
Intercept	-0.2760	0.8021	-0.344	0.733
No of Players over 200 cm	0.1216	0.1256	0.969	0.340
Overall Diagnostics				
Multiple R-squared: 0.0303	**Adjusted R-squared: -0.0020**		**F-Statistic: 0.9384 (p-value:~0.3404)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 1 and 30 respectively.

Table S17. Correlation of Age Effects and Team Score

Correlation with Team Score (Spearman) and Statistical Test		
	Average Age	**No of Players with Age over 30 y.o.**
Spearman ρ	-0.200	-0.238
Statistic	6551.9	6755.7
p-value	0.2703	0.1892
Pearson r	-0.171	-0.137
Statistic	-0.905	-0.757
p-value	0.3493	0.4551

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

Table S18. Regression of Average Age and Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	3.4263	3.0990	1.106	0.278
Average Age	-0.1041	0.1095	-0.951	0.349
Overall Diagnostics				
Multiple R-squared: 0.029	**Adjusted R-squared: -0.003**		**F-Statistic: 0.9039 (p-value: 0.3493)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are:1 and 30 respectively.

Table S19. Regression of No. of Players over 30 years old and Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	0.7276	0.3624	2.008	0.0537*
No of Players over 30 y.o.	-0.05523	0.07299	-0.757	0.4551
Overall Diagnostics				
Multiple R-squared: 0.0187	**Adjusted R-squared: -0.014**		**F-Statistic: 0.5727 (p-value: 0.4551)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

1 Degrees of freedom are:1 and 30 respectively.

Table S20. Correlation of Coach Experience in the Team and Team Score

Correlation with Team Score (Spearman) and Statistical Test	
	Coach Experience in the Team (years)
Spearman ρ	0.4486
Statistic	3008.5
p-value	0.01002**
Pearson r	0.4546
Statistic	2.7955
p-value	0.008951***

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

Table S21. Regression of Coach Experience in the Team and Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-0.04921	0.24288	-0.203	0.84082
Coach Experience in the Team	0.19399	0.06939	2.795	0.00895***
Overall Diagnostics				
Multiple R-squared: 0.2067	**Adjusted R-squared: 0.1802**		**F-Statistic: 7.815 (p-value:0**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 1 and 30 respectively.

Table S22 (a). Correlation of Existence of Shooters and Team Score

Correlation with Team Score (Spearman) and Statistical Test		
	% of 3pt Attempts	**Pts.: small.vs. high players**
Spearman ρ	0.377	0.125
Statistic	3398	4774
p-value	0.03407**	0.4939
Pearson r	0.343	0.160
Statistic	1.9984	0.8885
p-value	0.0548*	0.3814

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

Table S22 (b). Multiple regression of factors of Existence of Shooters and Team Score

Multiple regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-2.2579	1.2883	-1.753	0.0902
% of 3pt Attempts	6.4845	3.3116	1.958	0.0599*
Pts.: small.vs. high players	0.2396	0.2706	0.886	0.3832
Overall Diagnostics				
Multiple R-squared: 0.1407	**Adjusted R-squared: 0.08146**		**F-Statistic: 2.375 (p-value: 0.1109)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 2 and 29 respectively.

Table S23. Correlation of Balance, small players' Efficiency and Team Pace with Team Score

Correlation with Team Score (Spearman) and Statistical Test			
	Small vs. tall.(Balance)	**Efficiency of small players**	**Team Possessions[1]**
Spearman ρ	0.1213	0.1224	0.1804
Statistic	4794	4788	4472
p-value	0.5068	0.5029	0.3219
Pearson r	0.1471	0.1765	0.1122
Statistic	0.8148	0.9824	0.6185
p-value	0.4216	0.3338	0.5409

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] The correlation relationship is showed and in section 3.1. It is also showed here for easier following of the text.

Table S24. Multiple regression of Balance and small players' Efficiency with Team Score

Multiple regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	0.39276	0.19347	2.030	0.0516
Small.vs..tall.(Balance)	-0.06173	0.54011	-0.114	0.9098
Efficiency of small players	0.37751	0.69141	0.546	0.5892
Overall Diagnostics				
Multiple R-squared: 0.0316	**Adjusted R-squared: -0.0351**		**F-Statistic: 0.4732 (p-value: 0.6277)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 2 and 29 respectively.

Table S25. Regression of Team Possessions (pace) with Team Score

Regression (with Team Score as dependent variable)				
	Estimate	**Std. Error**	**t statistic value**	**p-value**
Intercept	-2.06080	4.11715	-0.501	0.620
Team Possessions	0.03427	0.05541	0.619	0.541
Overall Diagnostics				
Multiple R-squared: 0.01259	**Adjusted R-squared: -0.02042**		**F-Statistic: 0.3826 (p-value: 0.5409)[1]**	

Statistical significant at 0.1 level, **Statistical significant at 0.05 level, * Statistical significant at 0.01 level*

[1] Degrees of freedom are: 1 and 30 respectively.

Table S26. Correlation Analysis of Variables (Pearson and Spearman) used in Clustering

Correlations (Pearson and (Spearman))				
	Power Rankings	**Coach Experience in the Team**	**Average Height**	**Top League Players**
Power Rankings	1 (1)			
Coach Experience in the Team	-0.3408 (-0.2863)	1 (1)		
Average Height	-0.5733 (-0.6277)	0.3261 (0.2722)	1 (1)	
Top League Players	-0.7433 (-0.7361)	0.2444 (0.1926)	0.6494 (0.7059)	1 (1)

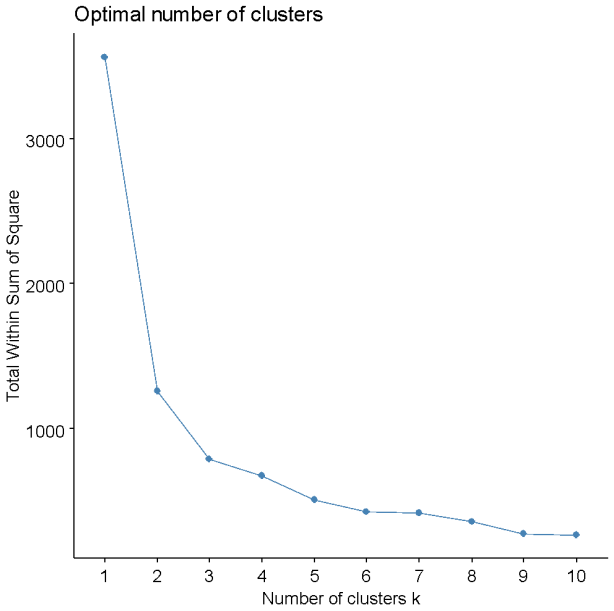

Fig. S3. Elbow Method for Deciding Number of Clusters

Table S27. Clustering Method, considered Variables and Number of Clusters

Method	Hierarchical k-means Clustering
Variables	Power Rankings, Coach Experience in the Team, Average Height, Top League Players*
No of Clusters	3

** Top League Players=No of NBA players+No of Euroleague players+0.5×(No of Eurocup and BCL players+No of NCAA players)*

Table S28. Clusters and Characteristics

Clusters	*Teams*	*Characteristics*
1 (S) (Strong Teams)	*Spain, Serbia, France, United States, Australia, Greece*	*Power Rankings: 3,5 Coach Experience in Team: 4,67 Average Height: 202,03 cm Top-League Players: 9,67*
2 (M) (2nd Tier Teams)	*Argentina, Lithuania, Italy, Nigeria, Germany, Canada, Tunisia, Turkey, Brazil, Poland, China*	*Power Rankings: 12 Coach Experience in Team: 2,45 Average Height: 198,85 cm Top-League Players: 5,73*
3 (W) (Weak Teams)	*Czech Republic, New Zealand, Russia, Iran, Venezuela, Puerto Rico, Dominican Republic, Montenegro, South Korea, Angola, Phillipines, Japan, Jordan, Ivory Coast, Senegal*	*Power Rankings: 25 Coach Experience in Team: 2,20 Average Height: 197,61 cm Top-League Players: 2,07*

Notes:
The 3 Clusters represents the teams according to their strength:
Cluster 1 (S): strongest teams (1-6), Cluster 2 v(M): 2nd Tier Teams (7-17) and Cluster 3 (w): weakest teams (18-32)

Table S29. Team Ranking: Clustering vs. Actual

Team	*Ranking*	*Group Clustering*	*Actual*	*Team*	*Ranking*	*Group Clustering*	*Actual*
Spain	*1*	*S*	*S*	*Brazil*	*19*	*M*	*W*
Argentina	*2*	*M*		*Poland*	*20*	*M*	
Serbia	*3*	*S*		*Venezuela*	*21*	*W*	
France	*4*	*S*		*China*	*22*	*M*	
United States	*5*	*S*		*Puerto Rico*	*23*	*W*	
Lithuania	*6*	*M*		*Dominican Republic*	*24*	*W*	
Australia	*7*	*S*	*M*	*Montenegro*	*25*	*W*	
Italy	*8*	*M*		*South Korea*	*26*	*W*	
Nigeria	*9*	*M*		*Angola*	*27*	*W*	
Germany	*10*	*M*		*Ivory Coast*	*28*	*W*	
Greece	*11*	*S*		*Senegal*	*29*	*W*	
Czech Republic	*12*	*W*		*Jordan*	*30*	*W*	
New Zealand	*13*	*W*		*Japan*	*31*	*W*	
Russia	*14*	*W*		*Phillipines*	*32*	*W*	
Canada	*15*	*M*					
Tunisia	*16*	*M*					
Turkey	*17*	*M*					

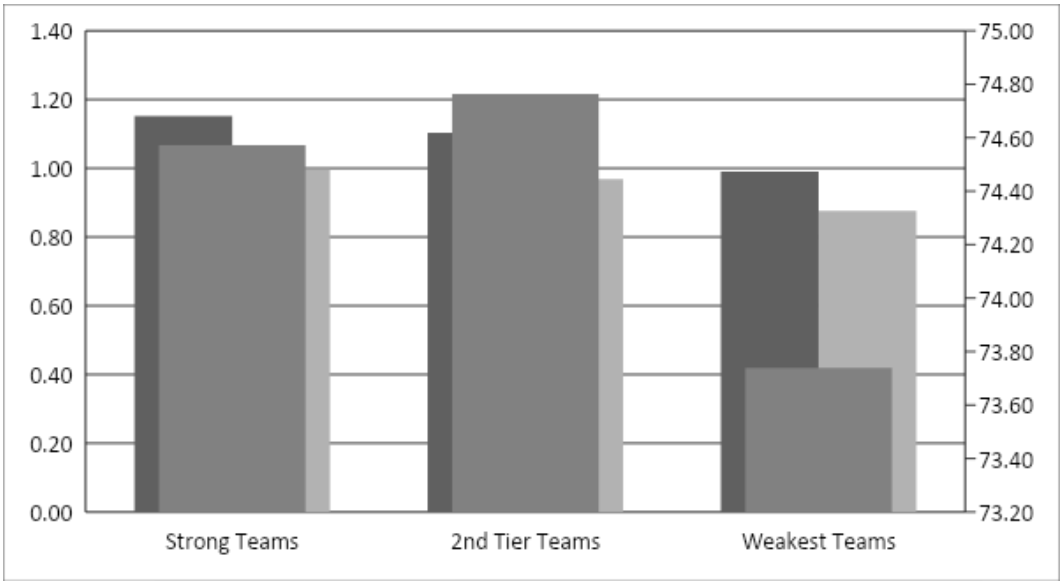

Fig. S4. Characteristics perCluster graphically

Table S30. Training Accuracy of the models

Pseudo R-Square			
	Benchmark Model - Power rankings	***Random Forest***	***Neural Net***
Training Set	0.6258	0.8698	0.7024

**Set seed is 15*

Table S31. Testing Accuracy of the models

Pseudo R-Square		
	Random Forest	***Neural Net***
Mean	0.8649	0.7166
Standard Deviation	0.0645	0.1108
90% Confidence Interval	0.7450-0.9467	0.5142-0.8689

**Set seed is 15*