Sports Medicine – Open. Current approaches to the use of artificial intelligence for injury risk assessment and performance prediction in team sports: a systematic review. João Gustavo Claudino, Daniel de Oliveira Capanema, Thiago Vieira de Souza, Julio Cerca Serrão, Adriano C. Machado Pereira, George P. Nassis. Corresponding author: João Gustavo Claudino; claudinojgo@usp.br. University of São Paulo, School of Physical Education and Sport - Laboratory of Biomechanics. Av. Prof. Mello de Morais, 65 – Cidade Universitária. Postal Code: 05508-030, São Paulo, São Paulo, Brazil.

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	А	В	С	D	E	Σ
2016 Abdullah [30]	1	1	2	2	1	7
2017 Adetiba [64]	1	1	2	2	1	7
2017 Bartlett [67]	1	1	2	2	1	7
2017 Bianchi [25]	1	1	1	2	1	6
2017 Bock [46]	1	1	1	2	1	6
2015 Bock [57]	1	1	1	2	1	6
2016 Carpita [45]	1	1	1	2	1	6
2018 Cene [43]	1	1	1	2	1	6
2015 Croft [34]	1	1	1	2	1	6
2015 Demers [59]	1	1	1	2	1	6
2018 Ertelt [65]	1	1	2	2	1	7
2016 Fuster-Parra [35]	1	1	2	2	1	7
2017 Ge [66]	1	1	1	2	1	6
2016 Goswami [74]	1	1	2	2	1	7
2016 Gu [60]	1	1	1	2	1	6
2017 Haiyan [53]	1	1	1	2	1	6
2017 Hassan [27]	1	1	2	2	1	7
2017 Hassan [28]	1	1	1	2	1	6
2017 Healey [37]	1	1	1	2	1	6
2017 Hoch [48]	1	1	1	2	1	6
2017 Jaspers [73]	1	1	2	2	1	7
2014 Jelinek [38]	1	1	1	2	1	6
2017 Kautz [68]	1	1	1	2	1	6
2015 Kempe [24]	1	1	1	2	1	6
2017 Kolbush [54]	1	1	1	2	1	6
2017 Leicht [41]	1	1	1	2	1	6
2017 Leicht [42]	1	1	1	2	1	6

Γ	А							
Criteria	Peer reviewed							
Definition	Study publish	Study published in peer-reviewed journal						
Scoring	0	1	2					
Scoring	No	Yes	-					
		В						
Criteria	Rea	Real-world approach						
Definition	The approach was performed with							
	real rest	lts/data of the	e athletes					
Scoring	0	1	2					
Scoring	No	Yes	-					
		С						
Criteria	Population defined							
Definition	Age, gender, sport, level were described							
Saaring	0	1	2					
Scoring	No	Partly	Yes					
		D						
Criteria	Ex	Experimental design						
Definition	Experimental design the study period							
Definition	was described and replicable							
S	0	1	2					
Scoring	No	Partly	Yes					
		Е						
Criteria	Artificial Intelligence							
Γ								

2013 Li [20]	1	1	1	2	1	6
2017 Link [36]	1	1	1	2	1	6
2017 Liu [a]	1	0	0	2	1	4
2018 López-Valenciano [15]	1	1	1	2	1	6
2013 Lu [21]	1	1	1	2	1	6
2015 Montoliu [44]	1	1	1	2	1	6
2013 Morgan [45]	1	1	1	2	1	6
2017 Pai [62]	1	1	1	2	1	6
2017 Park [32]	1	1	1	2	1	6
2018 Pensgaard [69]	1	1	2	2	1	7
2016 Qilin [63]	1	1	1	2	1	6
2016 Robertson [39]	1	1	1	2	1	6
2018 Ruddy [70]	1	1	2	2	1	7
2014 Sankaran [49]	1	1	1	2	1	6
2017 Schrapf [29]	1	1	1	2	1	6
2017 Schulte [56]	1	1	1	2	1	6
2013 Sheng [52]	1	1	1	2	1	6
2016 Soto Valero [58]	1	1	1	2	1	6
2017 Strnad [31]	1	1	1	2	1	6
2017 Sui [b]	1	0	0	2	1	4
2017 Thornton [72]	1	1	1	2	1	6
2015 Tilp [26]	1	1	1	2	1	6
2017 Tümer [33]	1	1	1	2	1	6
2015 Vales-Alonso [51]	1	1	1	2	1	6
2014 Wang [50]	1	1	1	2	1	6
2018 Wang [61]	1	1	2	2	1	7
2017 Wang [c]	1	0	0	2	1	4
2017 Wen [d]	1	0	0	2	1	4
2016 Whiteside [76]	1	1	2	2	1	7
2018 Woods [40]	1	1	2	2	1	7
2013 Wu [22]	1	1	1	2	1	6

	The Artificial Intelligence approaches/techniques						
Definition	were described						
Scoring	0	1	2				
	No	Yes	-				

2018 Wu [75]	1	1	1	2	1	6
2013 Xing [e]	1	0	0	2	1	4
2014 Zhang [23]	1	1	1	2	1	6
2017 Zi [55]	1	1	1	2	1	6
2018 Rossi [71]	1	1	2	2	1	7

Additional file 1: Table S1. Risk of bias score.

 $\sum = sum$

a) Liu P, Wang Y. Research on College Basketball Tactics based on Data Mining Clustering Technology. Rev Facul Ing U.C.V., 32(12), 417-422, 2017.

b) Sui G. Research on competition tactical analysis in basketball teaching based on data mining technology. Agro Food Industry Hi-Tech, 28(3), 2584–2587, 2017.

c) Wang Z, Chen D. An optimized data mining algorithm application in volleyball match technique and competition tactics analysis. Tech Bul, 782–787, 2017.

d) Wen B. Technical analysis of a basketball match based on data mining. Agro Food Industry Hi-Tech, 28(1), 1953–1957, 2017.

e) Xing J, Zheng X, Zhang S, et al. Computer simulation evaluation model of basketball match based on fuzzy neural network. BioTechnology, 8(7), 910–915, 2013.