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

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	A	В	C	D	Е	Σ					
2016 Abdullah [30]	1	1	2	2	1	7	Γ	A			
2017 Adetiba [64]	1	1	2	2	1	7	Criteria	Peer reviewed			
2017 Bartlett [67]	1	1	2	2	1	7	Definition	Study published in peer-reviewed journal			
2017 Bianchi [25]	1	1	1	2	1	6	Definition	Study published in peci-reviewed journal			
2017 Bock [46]	1	1	1	2	1	6	Scoring	0 1 2			
2015 Bock [57]	1	1	1	2	1	6	Scoring	No Yes -			
2016 Carpita [45]	1	1	1	2	1	6		В			
2018 Cene [43]	1	1	1	2	1	6	Criteria	Real-world approach			
2015 Croft [34]	1	1	1	2	1	6	Definition	The approach was performed with			
2015 Demers [59]	1	1	1	2	1	6	Definition	real results/data of the athletes			
2018 Ertelt [65]	1	1	2	2	1	7	Scoring	0 1 2			
2016 Fuster-Parra [35]	1	1	2	2	1	7	Scoring	No Yes -			
2017 Ge [66]	1	1	1	2	1	6		C			
2016 Goswami [74]	1	1	2	2	1	7	Criteria	Population defined			
2016 Gu [60]	1	1	1	2	1	6	Definition	Age, gender, sport, level were described			
2017 Haiyan [53]	1	1	1	2	1	6	Definition				
2017 Hassan [27]	1	1	2	2	1	7	Scoring	0 1 2			
2017 Hassan [28]	1	1	1	2	1	6	Scoring	No Partly Yes			
2017 Healey [37]	1	1	1	2	1	6		D			
2017 Hoch [48]	1	1	1	2	1	6	Criteria	Experimental design			
2017 Jaspers [73]	1	1	2	2	1	7	Definition	Experimental design the study period			
2014 Jelinek [38]	1	1	1	2	1	6	Definition	was described and replicable			
2017 Kautz [68]	1	1	1	2	1	6	S	0 1 2			
2015 Kempe [24]	1	1	1	2	1	6	Scoring	No Partly Yes			
2017 Kolbush [54]	1	1	1	2	1	6		Е			
2017 Leicht [41]	1	1	1	2	1	6	Criteria	Artificial Intelligence			
2017 Leicht [42]	1	1	1	2	1	6		-			

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

Definition

6

The Artificial Intelligence approaches/techniques

were described

0 1 2

No Yes -

Scoring

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.