

What is Expected Successful Pass (xSP)?

xSP is an AI-datamodel that predicts the probability of success of a pass, in the form of a ratio

Based on 6.900 passes from 11 matches, the model calculates the success probability for each (new) added pass to the model, by using pass positions, lengths, directions and pressure levels of opponents.

This makes xSP the very reliable source for objective analysis and assessment of the pass performance of players.



Pass nr.	Receiver	xSP (model)	ISP (match)
1	Player 8	0,7	1 (succes)
2	Player 9	0,5	0 (fail)
3	Player 4	0,9	1 (succes)
4	Player 7	0,2	1 (succes)
18	Player 5	0,7	0 (fail)
18		12,6	13

How does Pass Performance Ratio (PPR) work?

PPR is 'true Successful Pass' (tSP) / 'expected Successful Pass' (xSP).

This ratio is an objective assessment of a player's passing performance by comparing his true successful passes with the prediction of the model.

If tSP is higher than xSP player has performed above the benchmark.

Naam	Position	PPR	tSP	xSP	gem xSP	# passes
...	GK	1,627	15	9,22	0,576	16
...	...	1,609	18	11,19	0,559	20
...	CM	1,584	28	17,68	0,520	34
...	CB	1,456	11	7,56	0,540	14
...	GK	1,454	18	12,38	0,427	29
...	CM	1,350	17	12,60	0,525	24
...	AM	1,214	13	10,71	0,563	19
...	AF	1,193	11	9,22	0,542	17
...	RWF	1,159	15	12,94	0,498	26
...	RB/LB	1,089	16	14,69	0,525	28
...	AF	1,051	13	12,37	0,538	23
...	CM	0,897	5	5,58	0,507	11

1st Pro League	1,29
Team	1,33
2nd Pro League	1,26
TOP-AMATEURS	1,28



TOP 3: PPR	
#1	1,68
#2	1,63
#3	1,62

What can xSP and PPR be used for?

PPR is a score that can be used as an objective assessment of players' pass performance.

Based on PPR, players can be compared with each other and development objectives can be formulated in the form of benchmarks.

In addition, from xSP players can be judged more specifically by pass type (direction, distance, pressure) and pass difficulty.

