

Blackjack PBS Analysis & House-Edge Report

Player 0

October 10, 2025

Overview

Table 1: Session Summary

Rounds	Total Wager	Total Result	Realized Edge	Expected (PBS)	Expected (Actual)
20	\$200.00	-10.00	5.00%	0.65%	0.66%

Table 2: PBS Compliance / Style

Decisions	Total Deviations	Conservative Deviations	Aggressive Deviations	Style
26	9	8	1	Conservative

Deviations from Perfect Basic Strategy

Table 3: Player 0 Deviations

Time	Cards	Up	Action	PBS	Penalty	Explanation
04:38:58 UTC	8H 3H	7C	hit	double		Hard 11 vs dealer 7C. Player hit (initial). PBS recommends double.
04:40:10 UTC	4C 3H	AH	stand	hit		Hard 7 vs dealer AH. Player stand (initial). PBS recommends hit.
04:40:10 UTC	4C 3H	AH	stand	hit		Hard 7 vs dealer AH. Player stand (initial). PBS recommends hit.
04:41:17 UTC	7H QD	10D	surrender	stand		Hard 17 vs dealer 10D. Player surrender (initial). PBS recommends stand.
04:42:35 UTC	10S 7S	10H	surrender	stand		Hard 17 vs dealer 10H. Player surrender (initial). PBS recommends stand.

Time	Cards	Up	Action	PBS	Penalty	Explanation
04:43:14 UTC	2C 3S 7S	3D	stand	hit	0.25%	Hard 12 vs dealer 3D. Player stand (final). PBS recommends hit.
04:46:19 UTC	3D QD KC	9S	hit	stand		Hard 23 vs dealer 9S. Player hit (final). PBS recommends stand.
04:47:08 UTC	AD 4H	3C	stand	hit		Soft 15 vs dealer 3C. Player stand (initial). PBS recommends hit.
04:50:39 UTC	7D 7D	3C	hit	split		Pair of 7s vs dealer 3C. Player hit (initial). PBS recommends split.
04:51:08 UTC	2H 6H	QS	stand	hit		Hard 8 vs dealer QS. Player stand (initial). PBS recommends hit.
04:51:08 UTC	2H 6H	QS	stand	hit		Hard 8 vs dealer QS. Player stand (initial). PBS recommends hit.

Complete Betting History

Table 4: Player 0 Betting History

Time	Bet	Result	Realized Edge	Expected (PBS)	Expected (Actual)
04:37:31 UTC	\$10.00	+0.00	-0.00%	0.65%	0.65%
04:38:58 UTC	\$10.00	+10.00	-1.00%	0.65%	0.65%
04:40:10 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:40:10 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:41:17 UTC	\$10.00	-5.00	0.50%	0.65%	0.65%
04:41:45 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:42:35 UTC	\$10.00	-5.00	0.50%	0.65%	0.65%
04:43:14 UTC	\$10.00	+10.00	-1.00%	0.65%	0.90%
04:45:54 UTC	\$10.00	+20.00	-2.00%	0.65%	0.65%
04:46:19 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:47:08 UTC	\$10.00	+10.00	-1.00%	0.65%	0.65%
04:47:32 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:49:05 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:49:19 UTC	\$10.00	+0.00	-0.00%	0.65%	0.65%
04:50:39 UTC	\$10.00	+10.00	-1.00%	0.65%	0.65%
04:51:08 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:51:08 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:52:17 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:53:06 UTC	\$10.00	+15.00	-1.50%	0.65%	0.65%
04:53:53 UTC	\$10.00	+15.00	-1.50%	0.65%	0.65%

Notes

- **Expected (PBS)** is the table's baseline house edge under perfect basic strategy for the given rules.
- **Expected (Actual)** adds estimated penalties for each deviation from PBS.
- **Realized edge** is computed from outcomes in the CSV and can differ from expectation due to variance.
- **Penalty** refers to the amount of EV the player lost by deviating from PBS. This is equivalent to the increase in house edge.
- Penalties are approximate and expressed as percentage of the base bet per round; they are meant for directional analysis.