

Blackjack PBS Analysis & House-Edge Report

Player 1

October 10, 2025

Overview

Table 1: Session Summary

Rounds	Total Wager	Total Result	Realized Edge	Expected (PBS)	Expected (Actual)
20	\$200.00	-60.00	30.00%	0.65%	0.65%

Table 2: PBS Compliance / Style

Decisions	Total Deviations	Conservative Deviations	Aggressive Deviations	Style
29	9	1	8	Aggressive

Deviations from Perfect Basic Strategy

Table 3: Player 1 Deviations

Time	Cards	Up	Action	PBS	Penalty	Explanation
04:37:31 UTC	8D JH	QH	hit	stand		Hard 18 vs dealer QH. Player hit (initial). PBS recommends stand.
04:40:10 UTC	QH 2D KC	8H	hit	stand		Hard 22 vs dealer 8H. Player hit (final). PBS recommends stand.
04:40:10 UTC	QH 2D KC	8H	hit	stand		Hard 22 vs dealer 8H. Player hit (final). PBS recommends stand.
04:40:10 UTC	5D AD	AH	stand	hit		Soft 16 vs dealer AH. Player stand (initial). PBS recommends hit.
04:40:10 UTC	5D AD	AH	stand	hit		Soft 16 vs dealer AH. Player stand (initial). PBS recommends hit.

Time	Cards	Up	Action	PBS	Penalty	Explanation
04:41:17 UTC	8S 6D AC 2S 7S	10D	hit	stand		Hard 24 vs dealer 10D. Player hit (final). PBS recommends stand.
04:43:14 UTC	10D 2S	3D	double	hit		Hard 12 vs dealer 3D. Player double (initial). PBS recommends hit.
04:47:08 UTC	QC JH	3C	double	stand		Pair of Ts vs dealer 3C. Player double (initial). PBS recommends stand.
04:49:05 UTC	2D 6H 9S 5H	KC	hit	stand		Hard 22 vs dealer KC. Player hit (final). PBS recommends stand.
04:50:39 UTC	9H 6S	3C	hit	stand		Hard 15 vs dealer 3C. Player hit (initial). PBS recommends stand.
04:52:17 UTC	7H 2C	2S	double	hit		Hard 9 vs dealer 2S. Player double (initial). PBS recommends hit.

Complete Betting History

Table 4: Player 1 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	-10.00	1.00%	0.65%	0.65%
04:41:45 UTC	\$10.00	-20.00	2.00%	0.65%	0.65%
04:42:35 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:43:14 UTC	\$10.00	+20.00	-2.00%	0.65%	0.65%
04:45:54 UTC	\$10.00	+10.00	-1.00%	0.65%	0.65%
04:46:19 UTC	\$10.00	-20.00	2.00%	0.65%	0.65%
04:47:08 UTC	\$10.00	-20.00	2.00%	0.65%	0.65%
04:47:32 UTC	\$10.00	+0.00	-0.00%	0.65%	0.65%
04:49:05 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:49:19 UTC	\$10.00	+15.00	-1.50%	0.65%	0.65%
04:50:39 UTC	\$10.00	+10.00	-1.00%	0.65%	0.65%
04:51:08 UTC	\$10.00	-20.00	2.00%	0.65%	0.65%
04:51:08 UTC	\$10.00	+0.00	-0.00%	0.65%	0.65%
04:52:17 UTC	\$10.00	-30.00	3.00%	0.65%	0.65%
04:53:06 UTC	\$10.00	+15.00	-1.50%	0.65%	0.65%
04:53:53 UTC	\$10.00	+20.00	-2.00%	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.