

# Blackjack PBS Analysis & House-Edge Report

Player 2

October 10, 2025

## Overview

Table 1: Session Summary

Rounds	Total Wager	Total Result	Realized Edge	Expected (PBS)	Expected (Actual)
20	\$200.00	-50.00	25.00%	0.65%	0.74%

Table 2: PBS Compliance / Style

Decisions	Total Deviations	Conservative Deviations	Aggressive Deviations	Style
25	10	6	2	Conservative

## Deviations from Perfect Basic Strategy

Table 3: Player 2 Deviations

Time	Cards	Up	Action	PBS	Penalty	Explanation
04:37:31 UTC	7H 3C	QH	stand	hit		Hard 10 vs dealer QH. Player stand (initial). PBS recommends hit.
04:40:10 UTC	KC 6C	8H	stand	hit		Hard 16 vs dealer 8H. Player stand (initial). PBS recommends hit.
04:40:10 UTC	KC 6C	8H	stand	hit		Hard 16 vs dealer 8H. Player stand (initial). PBS recommends hit.
04:40:10 UTC	KS 6C	AH	stand	surrender	0.45%	Hard 16 vs dealer AH. Player stand (initial). PBS recommends surrender.
04:40:10 UTC	KS 6C	AH	stand	surrender	0.45%	Hard 16 vs dealer AH. Player stand (initial). PBS recommends surrender.

Time	Cards	Up	Action	PBS	Penalty	Explanation
04:41:17 UTC	JH 4S	10D	stand	hit	0.25%	Hard 14 vs dealer 10D. Player stand (initial). PBS recommends hit.
04:43:14 UTC	5D 7C	3D	stand	hit		Hard 12 vs dealer 3D. Player stand (initial). PBS recommends hit.
04:46:19 UTC	6S 8S 8S	9S	hit	stand		Hard 22 vs dealer 9S. Player hit (final). PBS recommends stand.
04:50:39 UTC	AD 4H	3C	stand	hit		Soft 15 vs dealer 3C. Player stand (initial). PBS recommends hit.
04:51:08 UTC	2S 8D	KS	stand	hit		Hard 10 vs dealer KS. Player stand (initial). PBS recommends hit.
04:51:08 UTC	2S 8D	KS	stand	hit	0.30%	Hard 10 vs dealer KS. Player stand (initial). PBS recommends hit.
04:51:08 UTC	QC 5D	QS	stand	surrender		Hard 15 vs dealer QS. Player stand (initial). PBS recommends surrender.
04:51:08 UTC	QC 5D	QS	stand	surrender		Hard 15 vs dealer QS. Player stand (initial). PBS recommends surrender.
04:53:53 UTC	AC 2H	4S	double	hit		Soft 13 vs dealer 4S. Player double (initial). PBS recommends hit.

## Complete Betting History

Table 4: Player 2 Betting History

Time	Bet	Result	Realized Edge	Expected (PBS)	Expected (Actual)
04:37:31 UTC	\$10.00	-10.00	1.00%	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%	1.10%
04:40:10 UTC	\$10.00	-10.00	1.00%	0.65%	1.10%
04:41:17 UTC	\$10.00	-10.00	1.00%	0.65%	0.65%
04:41:45 UTC	\$10.00	+0.00	-0.00%	0.65%	0.65%
04:42:35 UTC	\$10.00	+15.00	-1.50%	0.65%	0.65%
04:43:14 UTC	\$10.00	+10.00	-1.00%	0.65%	0.90%
04:45:54 UTC	\$10.00	+10.00	-1.00%	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	+0.00	-0.00%	0.65%	0.65%

Time	Bet	Result	Realized Edge	Expected (PBS)	Expected (Actual)
04:49:05 UTC	\$10.00	-5.00	0.50%	0.65%	0.65%
04:49:19 UTC	\$10.00	-20.00	2.00%	0.65%	0.65%
04:50:39 UTC	\$10.00	+0.00	-0.00%	0.65%	0.65%
04:51:08 UTC	\$10.00	-10.00	1.00%	0.65%	0.95%
04:51:08 UTC	\$10.00	-10.00	1.00%	0.65%	0.95%
04:52:17 UTC	\$10.00	-20.00	2.00%	0.65%	0.65%
04:53:06 UTC	\$10.00	-10.00	1.00%	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.