

Final Analysis – Edge vs House (Example File)

Research-only. Not financial advice. Use to compare model p_{model} , Monte Carlo outcomes, and bookmaker pricing.

1) Run Context

Window: Oct 1–7

Sports: NFL + cross-sport anchors (NFL, MLB, Soccer)

Game	Selection	Odds D	p_{model}	book_prob	edge
Packers @ Cowboys	Packers ML	1.2817	0.747	0.780	–0.033
Ravens @ Chiefs	Ravens ML	1.6667	0.574	0.600	–0.026
Mercury vs Lynx	Mercury ML	1.5263	0.630	0.655	–0.025
Braves vs Pirates	Braves ML	1.5128	0.633	0.661	–0.028
FC Cincinnati vs Orlando (DNB)	Cincinnati DNB	1.85	0.503	0.541	–0.038

Edge threshold (house-bias band): $\pm 2.0\%$

2) Method Summary

Convert moneylines to implied probabilities.

Remove vig \rightarrow fair probabilities = p_{fair} .

Compute $\text{book_prob} = 1/D$ (decimal odds).

Edge = $p_{\text{model}} - \text{book_prob}$.

Monte Carlo sim to validate p_{model} .

Tagging: VALUE if $\text{edge} \geq \text{band}$, FADE if $\leq -\text{band}$, HOUSE if in between.

3) Slate Inputs (examples)

4) Monte Carlo Summary

Packers ML: winrate 74.8%, CI 74.4–75.0%, matches p_{model} 0.747, book 0.780 \rightarrow edge –0.033.

Ravens ML: winrate 57.2%, matches p_{model} 0.575, book 0.600 \rightarrow edge –0.025.

Mercury ML: winrate 62.9%, matches p_{model} 0.630, book 0.655 \rightarrow edge –0.025.

Braves ML: winrate 63.4%, matches p_{model} 0.633, book 0.661 \rightarrow edge –0.028.

Cincinnati DNB: winrate 50.5%, matches p_{model} 0.503, book 0.541 \rightarrow edge –0.038.

5) Odds Maker's Depiction

Bookmaker probabilities are consistently 2–4% higher for favorites compared to p_{model} . This shows the house inflating favorites.

Example: Packers line –355 \rightarrow –365 increased book_prob from 78.0% to 78.5%, while p_{model} stayed ~74.7%.

6) TapSpeak Findings (plain context)

Packers @ Cowboys: Safe favorite, but overpriced.

Ravens @ Chiefs: Close to even. Market slightly overweights Ravens.

Mercury vs Lynx: Mercury favored, but no edge at offered odds.

Braves vs Pirates: Braves are the stronger side, yet inflated by house.

FC Cincinnati vs Orlando (DNB): Essentially 50/50, but book tilts to Cincinnati.