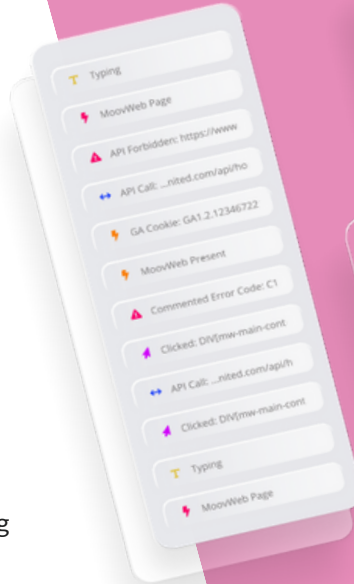




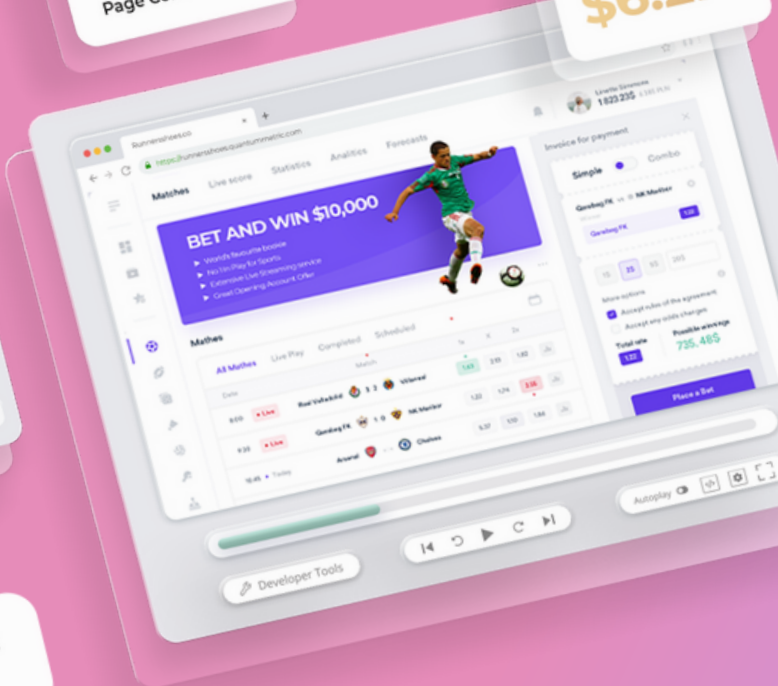
# Betting on the User Experience

Five ways to win in the hyper-competitive online gaming and sports betting industry



3%  
Page Conversion Rate

ANNUAL OPPORTUNITY  
\$6.2M



Rage Click  
00:08

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05. Detect Player Fraud Proactively



**“2020 has shown everyone that innovation is so important, the ability to pivot, to move into new content and cross-sell experiences is what helps us differentiate with competitors.” — Director of Optimisation, FanDuel**

- Director of Optimisation  
FanDuel

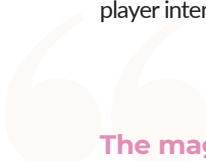
## Betting on the User Experience



Even before last year's pandemic, the UK online gaming and sports betting industry was massive. According to the UK Gambling Commission, from April 2019 to March 2020 online casino games generated some £3.2bn (US \$4.3bn), and online sports betting brought in £2.3bn (US \$3.1bn). And since Covid-19? March 2020 alone saw a 40% rise in the total number of virtual bets placed.

More than most other industries, online gaming and sports betting is fiercely competitive and extremely user-centric. With real money at stake, there's no room for user experience friction. Without hesitation, players will take their bets and loyalty elsewhere.

This means that betting sites are working hard to optimise flows and iterate product releases faster. They're also adopting strategies to help breed the digital empathy that's so crucial to understanding player intent and cultivating player loyalty.



**The magic word is empathy. When you're an online platform serving 1000s of customers in many different markets, it's extremely hard to understand all your players' needs and frustrations. You have to use all the tools at your disposal, for instance, observation, testing, and feedback analysis.**

- Head of Customer Experience  
Kaizen Gaming

# Elevate the Player Experience with Real-Time Behavioral and Technical Insight



Keeping today's online gaming and sports betting players happy is a challenge. With maximum choice and minimum patience, customers expect a friction-free user experience on the website and mobile app experience.

To pull this off, betting companies must relentlessly design, deliver, and iterate on their applications, turning continuous learning into enhancements and more enjoyable experiences. Customer inputs are not always overtly offered—much of it comes from listening to player behaviours, on a mass scale.

**To meet increasing expectations and competitive pressures, here are five ways for betting sites to elevate the player experience:**

01. Monitor Anomalies in Critical Acquisition Flows
02. Quantify the ROI of Livestreaming
03. Discover Player Intent at Scale
04. Support Struggling Players Faster
05. Detect Player Fraud Proactively

01

# Monitor Anomalies in Critical Acquisition Flows

An EU-based gaming company uses Quantum Metric anomaly detection to detect decreases in first-time deposits, across 100s of unique segments. Real-time alerts include details on the segment(s) impacted, automated correlation to the UX or technical issue, and quantified business impact.

Registration and first-time deposits are the essence of acquisition. If new visitors can't register, they never become players. If new players can't easily make their first-time deposits, they might never convert. The cost per acquisition soars massively if either flows fail.

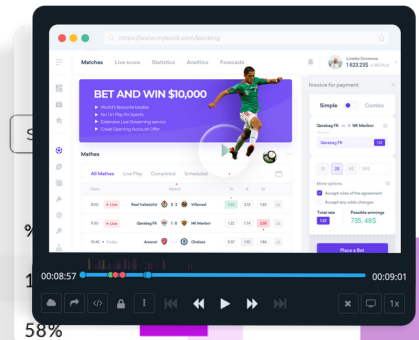
Stay attuned to these critical flows with real-time monitoring of behavioral and technical anomalies for each step, input, and response. Minor UX friction like field verification errors or non-hyperlinked buttons can turn into massive issues that prevent new visitors and players from converting. API failures that prevent payment processing need to be identified and mitigated fast.



## New registration flow

Current and historical

Conversion Step	Sessions	%
1 Visit registration page	989	100%
2 Submit registration form	560	58%
3 Validate email	698	72%
4 Make first deposit	230	20%





**To keep customers coming back, you have to first get the basic rights. That means reducing friction in your sign up, deposit, and betting opportunities.**

- Director of Optimisation  
FanDuel

02

# Quantify the ROI of Livestreaming

Livestreaming may be a critical competitive differentiator or it may be a cash-burning extravagance. Does player usage warrant the high licensing fees, or are bets being placed while they're watching matches on other platforms?

To determine the ROI of livestreaming, calculate the turnover per game and offset that against the cost of the license to livestream the game.

**An Italian betting site used Quantum Metric to track player behaviour during livestreaming. With Quantum Metric, the company was able to track every bet that was made during a livestream and calculate the ROI for continued investment.**

The image displays a soccer livestream with several betting interface overlays:

- Top Left Selection Panel:**
  - SELECTION | 7
  - COMBO BET
  - Remove
  - Real Madrid 3.25
  - Final result: Atlanta - Real Madrid
  - Over 2.5 1.65
  - Total gaps above / below
  - Borussia M'gladbach - Manchester City
- Top Right Multiple Ticket Panel:**
  - MULTIPLE TICKET | 5 SELECTION
  - 5 Selection = 1 ↑ 190.29
  - BETTING: 0
  - SUM: 0,00 Read
  - POTENTIAL GAIN: 0,00 Read
  - BET NOW
- Bottom Right Bet Detail Panel:**
  - Real Madrid 3.25
  - Final result: Atlanta - Real Madrid
  - Profit: 0,00 Read
- Main Livestream Interface:**
  - LIVE STREAM
  - All Matches | Live Play | Completed | Scheduled
  - Table with columns: Date, Match, 1x, X, 2x

03


## Discover Player Intent at Scale



Identifying friction and continuously optimizing player journeys yields a direct impact on revenue. Yet betting flows are complex, with a massive volume of simultaneous interactions across segments on web and mobile app. It's tough to track and pinpoint the most important opportunities.

Viewing players' sessions via session replay can reveal incredible insights on player, and more specifically, betting intent. But understanding intent at scale requires combining those session views with quantified analysis. This helps betting sites answer: who (what segment is most impacted), how many, and why it matters (the business impact).

**An EU-based gaming site correlated customer feedback about a betting error to a total of 0.5% of visitors who experienced a “Bet placement service unavailable” error. This resulted in 32% of these players not placing a bet during the entirety of their sessions! Quantification of issues like this helps this gaming site prioritize or escalate appropriately.**



**Every market has different needs. It's not a one-size-fits-all approach to innovation. For example, markets in Greece and Cyprus are totally different from markets in Germany or Brazil. There's a totally different approach to the customer.**

- Head of Customer Experience  
Kaizen Gaming





In terms of creating a culture of innovation, try to stop people internally from feeling like they have to have the right answer. Try to make the best guesses with data and solid hypothesis-building. Create an evidence-based, data-driven culture. Have a very high velocity, test and learn, and iterative approach.

- Managing Director & Founder  
Lean Convert

XHR REQUEST (API) Copy Detail X

RESPONSE

STATUS  
500

LOAD TIME  
1.675ms

HEADERS

content-length	79
content-type	application/javascript

BODY

```
["errorCode":500,"message":"Server unavailable","msgCode":"product_info_error"]
```

- MooWeb Page
- API Forbidden: https://www.united.com/...
- API Call: ...nited.com/api/home/advisories
- GA Cookie: GA1.2.1234672213.15421.32
- Password confirmation | United Airlines
- MooWeb Present
- Commented Error Code: C179
- Clicked: DIV[main-content]
- API Call: ...nited.com/api/home/advisories
- Clicked: DIV[main-content]

Jul 31, 2020 - 01:36 pm CST • Desktop • MacOS • Chrome 83 • 160.202.36.65

**Bet Placement Service Unavailable**

We're sorry Bet Placement services is currently unavailable, please try again later.

OK

00:00:21 • 1825 ms View Page Details /en/US/managers/cashier

00:07:54 • 2928 ms View Page Details /ual/en/us/place-bet/result/rev

00:02:03PM / 00:04:31PM LIVE Developer Tools Autoplay



04

## Support Struggling Players Faster




With profit margins tight and operating costs skyrocketing, resolving player issues before they place a call to customer service has real financial impact—in addition to keeping players satisfied.

Detecting friction in real-time enables betting sites to help players “in the moment,” via additional messaging or a live chat window, keeping players on a lower cost channel.

When players do reach customer service, agents can more quickly triage issues if they can look up and watch player sessions in real time—also known as cobrowsing.

**A US-based gaming site uses Quantum Metric to detect when players are struggling, via behavioral indicators such as rage clicks or force reloads. When struggle is detected, the site proactively intervenes with a chat window—reducing abandonment and deflecting calls into the call center.**



**If you have a customer who is happy with their overall journey, he will come back. If he’s not happy or there’s a pain point, he will leave for your competitor. This is how you start to build trust with your customers.”**

- Head of Customer Experience  
Kaizen Gaming



**Rage Click**  
00:08



**API Timeout**  
http://api.dynamic...



**API Timeout**  
http://api.dynamic...

matches Live score Statistics

UEFA Champions League  
Group Stage - Matchday 2 of 6

Barcelona 2 : 0 Chelsea

Match Details

Win \$100 000 with a Free Prediction  
Predict the first goal of two different teams in two selected matches and win up to \$100 000.

MORE DETAILS

Football leagues

- Premier League England 29
- Laliga Barcelona 13
- The Football League Spain 52
- Football League - Liga 3 Indonesia 22
- Italian Serie A Juventus 16
- Bundesliga Borussia Dortmund 34

Mathes

All Mathes Live Play Completed Scheduled

Date	Match	1x	X	2x
8:00	Live Real Valladolid 3 : 2 Villarreal	1.63	2.13	1.82
9:30	Live Qarabag FK 1 : 0 NK Maribor	1.22	1.74	2.55
10:45	Today Arsenal Chelsea	5.37	1.50	1.86
12:00	Cancelled Everton Liverpool	1.48	2.84	1.73
--	Completed Villarreal NK Maribor	3.61	1.26	2.12
12:20	Today Girona FC Real Madrid	1.49	2.34	1.88

Welcome to Live Chat!

We noticed you might be experiencing a technical issue. Would you like to chat with our support team?

Please write your message and press the Send button.

05

## Detect Player Fraud Proactively



The online gaming industry is especially susceptible to fraud, making fraud detection and prevention a critical activity to preserve revenue.

Much fraud happens under the guise of legitimate player activity. However, with anomaly detection of suspicious behaviors, gaming operators can potentially identify and prevent fraudulent activity. For example, activity such as excessive login attempts, cutting and pasting into login forms, or lack of scrolling can indicate fraudulent bot activity.

**An EU-based gaming operator found that a small percentage of users were repeatedly copying and pasting credit card numbers into the payment forms. Quantum Metric identified this as suspicious and flagged it as potential fraud. Further investigation determined that these were attempts to use stolen credit card numbers.**

00:00:01	Field Pasted	⋮
00:00:02	Field Pasted	⋮
00:00:04	Field Pasted	⋮
00:00:07	Field Pasted	⋮
00:00:10	Field Pasted	⋮

Payment details

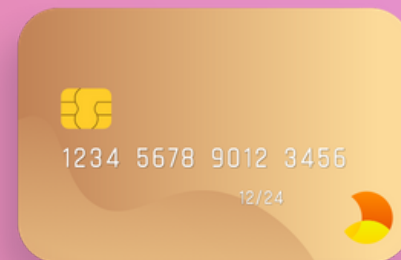
CARDHOLDER NAME  
£ Lorem Ipsum

CARD NUMBER  
\*\*\*\*\* \* \* \* \* \*

EXPIRY MONTH    EXPIRY YEAR    CVV  
\*\*    \*\*\*\*    \*\*\*

Payment amount: 1234\$

PAY



# Make Better Bets with Quantum Metric



Quantum Metric helps online gaming and sports betting sites deliver better digital player experiences faster. Answer questions like:

- Why did players abandon our new betting flow?
- Why do some players fail to deposit funds?
- Do players bet more whilst they are livestreaming?
- How do we increase first-time deposit performance?



Gain real-time monitoring, business impact analysis, and session replay across both web and native app. To learn more about Quantum Metric and our Continuous Product Design platform and methodology,

Please visit [www.quantummetric.com](http://www.quantummetric.com)

