



90-Minute Webinar

Advanced Advantage Play Against Proprietary Games Presented by Eliot Jacobson

Originally Presented November 3, 2016

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What risk does advantage play against proprietary games pose to your casino?

Today's professional advantage players have developed an arsenal of methods to beat proprietary table games and side bets. Depending on the games you offer and your game protection procedures, these players can significantly impact your bottom line.

In this webinar you will learn:

- The details of several advanced methods.
- How to identify players who are using these methods.
- How to protect your games from those who want to use these methods against you.

Topics that will be covered:

Shufflers and Layouts

Many of the problems with game protection begin with the shufflers and layouts. Eliot will describe the game protection challenges posed by commonly used automatic shuffle machines. He will also give examples of layouts that illustrate how opportunities can arise from ignoring simple principles.

Hole-carding proprietary games

Having information about the value of one of the hidden cards in a proprietary game can give the player an extraordinary advantage over the house. Eliot will explain methods players use to see hole-cards and the edges that players get by hole-carding some common games.

Card Counting Side Bets

Card counting is a well-known method used to get an edge over blackjack. The same principles that make card counting at blackjack work also apply to side bets for both blackjack and baccarat. Eliot will review card counting principles and give a few examples to illustrate how easy it is to extend card counting to side bets.

Edge sorting

Edge sorting is the method used by Phil Ivey to beat Borgata Casino and Crockfords Casino out of more than \$21 million at baccarat. This method is being used against proprietary games as well. Eliot will give a quick survey of card designs and point out just how easy it is to successfully edge sort games like Three Card Poker and Caribbean Stud and suggest a simple fix to thwart edge sorting.

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Here's what you'll get out of the webinar:

- A solid understanding of the full scope of advantage play issues at proprietary games and side bets.
- Knowledge of the relative profitability of these methods to help prioritize allocation of game protection resources.
- Understanding how physical layout and device issues can lead to big opportunities.
- Learning how to identify players who are using advanced methods and how to better defend games.

Who should participate:

- Table games staff and management, excluding dealers.
- Surveillance staff and management.
- Senior casino management.

Participants should have a good understanding of ordinary blackjack card counting and be familiar with common proprietary games (for example, Three Card Poker and Ultimate Texas Hold'em).

Webinar Cost: \$179

Includes PowerPoint presentation and 90 days unlimited access to the recording.

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Webinar Presenter

Eliot Jacobson received his Ph.D. in Mathematics from the University of Arizona in 1983. Eliot was Professor of Mathematics at Ohio University from 1983 to 1998 and Visiting Associate Professor and Lecturer in the Department of Computer Science at the University of California, Santa Barbara from 1998 to 2009. In 2009, Eliot retired from academia to work full time as a consultant for the casino industry.



Eliot started his gaming career as a young child, learning chess and bridge from his father at age five. Growing up playing games of all sorts, he opened a casino in his garage as a teenager and quickly won all the allowance money in the neighborhood. As a young adult, Eliot continued to master games. He achieved the "expert" ranking at chess, ran the GO club at Ohio University, and has competed in national bridge tournaments.

At a mathematics convention in Las Vegas in 1996, Eliot discovered his talent for card counting. During his decade long excursion into advantage play, Eliot studied and employed numerous advanced methods for beating table games, marketing and promotions.

In 2005, Eliot started his consulting work for the casino industry as a gaming mathematician. Over the years, Eliot has worked in many different areas within the industry, from casino hosts to Internet casinos. His consulting work has included designing table games and promotions, risk analysis and offering on-site training. Eliot started his now infamous blog, APHeat.net, in 2012 with the mission of investigating advantage play of all sorts.

Eliot has written three books. His first book, *The Blackjack Zone* (2005), is highly praised for its explanation of blackjack card counting in a humorous, casual and easy-to-read manner. Eliot published his second book, *Contemporary Casino Table Game Design*, in 2010. It is a niche book written for casino industry insiders. After writing over 250 blog posts, Eliot turned his blog APHeat.net into his third book, *Advanced Advantage Play* (2015). This book has become the definitive industry treatise on legal methods to beat casino table games, marketing and promotions.

Eliot is a sought after writer, keynote speaker and trainer who travels internationally sharing his unique perspective. Eliot is widely recognized as one of the world's top experts on casino table games, casino mathematics and advantage play.

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