Fantasy Sports Wagering: What do we know, should we be concerned, and does it matter?

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Loredana Marchica, M.A.

International Centre for Youth Gambling Problems and High-Risk Behaviors

McGill University

www.youthgambling.com

Sports Wagering in the U.S.

- Sports Gambling $380 billion industry
- Nevada's legal sports book $3 billion <1% of the market.
- Insatiable appetite for sports wagering in the US.
What is fantasy sports wagering and is it really gambling?
What is Daily Fantasy Sports?
Fantasy Sports

- Pick players and follow their performance—not wagering on the outcome of a game but rather player statistics and player performance.
  Fantasy Sports Trade Association (2013)

- Player draft before the season, allows for management of one's team-periodic line-up changes, player drops and player adds.

- Daily/weekly-pick players from different teams.
Fantasy sports: Some examples
Check Out Daily Fantasy Live on CBSSports.com, Weekdays at 6PM ET!

May 27 5:27pm / Matt Hovia

For all the in-depth coverage and analysis necessary to make you a fantasy stud, watch CBSSports.com’s Daily Fantasy Live here, Monday thru Friday, from 6-7PM ET.

It’s 6pm, and you’ve got about an hour left to set your FanDuel lineup, but don’t know where to start. You could do research online, but advanced stats give you heartburn and anxiety, so what do you do?

We’ve got your answer—you watch Daily Fantasy Live, presented by FanDuel. DFL airs daily on CBSSports.com, at 6 PM ET, taking an in-depth look at the night’s games, while highlighting winners from the prior day’s contests, and offering up sound advice to use while on your quest to the fantasy promised land.

PLAY AGAINST DFL’S HOSTS HERE

Ryan Bass is the show’s QB, with Heath Cummings and Scott White serving as two heavily targeted wide receivers. Whether you’re new to DFS or have been playing for years, there’s something for everyone—sometimes they even give away pizza. Ok, they don’t give away pizza, but they give away keys to DFS success, which, in the long run, is probably more gratifying than pizza.

Don’t miss it! Weekdays! 6PM ET! Watch HERE.
Daily Fantasy Advice

Playing daily fantasy contests on Monday? Check our pitcher and hitter ratings before setting your lineup. Daily Notes » More tips for June 29 » Best buys, Vegas insights, X Factors »

KaraBlog by Eric Karashell 📰

• Goldschmidt, others with real 30/30 dreams
• Replacing solid Aoki for Giants, fantasy
• Beltre return adjusts Rangers' depth
• Real Fantasy All-Stars: Let the stats talk

MUST WATCH VIDEOS

Aaron Judge

Eric Karashell goes prospecting and discusses Yankees outfielder Aaron Judge.
DFS Hoops Advice

The NBA regular season and traditional fantasy hoops season is over, but daily fantasy basketball keeps going during the NBA playoffs, and we’ll be here to help you. DFS lineup advice »

Fantasy Hoops Content

Latest content
- DFS blog: Lineup advice, injury news
- Weekly Dish: Top 130 ranks - Brian McKlatch
- Prognosis on Durant’s foot - Stephania Bell
- Forecaster: April 6-18 - Jim McCormick
- Crossover: Rising stars - Joe Kaiser

Fantasy Basketball Columnists

Blog

TrueHoop

Check out TrueHoop, our daily NBA blog
- Emmanuel Mudiay’s big game against Stephen Marbury
- Child’s play for Justise Winslow
- Justise Winslow’s dad agrees with Adam Silver
Mock Draft Lobby
Practice Your Run to Fantasy Glory

Mock Draft Room Status
Drafting Rooms: 55  Full Rooms: 32

Click on a room below to join a Fantasy Football mock draft now!

Create Your Fantasy Football League
Play the most customizable game with all the scoring, roster, and league setting options you want, for FREE.

Create a League

Rooms Drafting Soon

<table>
<thead>
<tr>
<th>Room Name</th>
<th>Draft Type</th>
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<th>Draft Time</th>
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<td>All NFL Players</td>
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<td>0/12</td>
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</tbody>
</table>
Get your free deposit bonus and start winning real cash today

100% GUARANTEE MONEY BACK
You'll love FanDuel or your money back - no questions asked!
If you lose your first contest and don't love FanDuel, contact us for a refund (max $100).

Claim your bonus before time runs out! 09M:48S

$10  
FREE $3 30% deposit bonus
Entry to the weekly freeroll  
Select

$25  
FREE $11.25 45% deposit bonus
Entry to the weekly freeroll  
Select

$100  
FREE $60 60% deposit bonus
Entry to the weekly freeroll  
Select

$200  
FREE $150 75% deposit bonus
Entry to the weekly freeroll  
Select

Custom  
$  
Enter your own dollar amount  
Select

* Your deposit bonus unlocks as you play over time. How it works.

Send support@fanuel.com  Secure payments by PayPal, Visa, Mastercard, Discover

We also offer free practice games

Payment FAQ's

• Am I paying for something?
$180,000. WHO WILL RULE THE WINDY CITY?

The champion of the Chicago Fantasy Baseball Championship will win $50,000 and the undisputed right to call himself the king of Chi-Town.

Enter now

<table>
<thead>
<tr>
<th>$50,000</th>
<th>Live Finals in Chicago</th>
<th>$180,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>To The Champ</td>
<td>VIP Trip: July 11-12</td>
<td>Total Cash Prizes</td>
</tr>
</tbody>
</table>
THE LEADER IN ONE-DAY FANTASY SPORTS

- One-day leagues with no season-long commitment
- 20,000+ leagues open every day, play in as many as you’d like
- Salary cap format - draft the players you want in minutes
- Over $10 Million in real cash prizes paid out every week
- Instant payouts as soon as leagues end. Leagues start at $1

JOIN NOW
FREE AND PAID GAMES AVAILABLE

MONEY BACK GUARANTEE
Love it after your first league, or your money back!

FOX SPORTS
"THE NUMBERS OF THOSE PARTICIPATING ARE EXPLODING"

THE WALL STREET JOURNAL
"A NORMAL WEEK ON FANDUEL... HAS $2 MILLION UP FOR GRABS"
"Now $10 million"

TECHCRUNCH
"THINK OF IT AS ‘ONE-NIGHT STAND’ FANTASY SPORTS"

FANDUEL'S BEEN FEATURED IN

The New York Times
THE WALL STREET JOURNAL
Sports Illustrated

Chris Prince from Detroit has won over $724,938!
"Playing a game in one day and getting paid the same day is awesome."

696,435 people like FanDuel.
FREE ENTRY TO A FANTASY CONTEST – WIN REAL CASH!
PLUS, deposit now and we'll double your cash!

PLAY NOW

Enter Promo Code

MORE THAN $1 BILLION GUARANTEED IN 2015!

HOW TO PLAY
<table>
<thead>
<tr>
<th>Sport</th>
<th>Contest</th>
<th>Entries</th>
<th>Entry Fee</th>
<th>Total Prizes</th>
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<tbody>
<tr>
<td>MLB</td>
<td>$200K Mini Strikeout [20K to 1st, 4-Day Survivor]</td>
<td>12.9K/46K</td>
<td>$6</td>
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<tr>
<td>MLB</td>
<td>$4M FBWC Survivor Qualifier [2 Tickets, 4-Day Survivor]</td>
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<tr>
<td>PGA</td>
<td>$3M Millionaire Maker [The Open Championship]</td>
<td>9970/171.7K</td>
<td>$20</td>
<td>$3,000,000</td>
<td>7/16 1:00a</td>
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<tr>
<td>PGA</td>
<td>$250K Drive the Green [$100K to 1st]</td>
<td>8729/95.8K</td>
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<td>NASA</td>
<td>$250K Pedal to the Metal [$100K to 1st]</td>
<td>3768/95.8K</td>
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<td>MLB</td>
<td>$120K Payoff Pitch [$120,000 Guaranteed]</td>
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<td>MLB</td>
<td>$100K Perfect Game [$20,000 to 1st]</td>
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<td>202/591</td>
<td>$27</td>
<td>$14,000</td>
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</table>
$3 MILLION GUARANTEED

$1 MILLION TOP PRIZE

Turn $20 into $1 MILLION!
July 16th • $20 ENTRY • The Open Championship

RESERVE ENTRY

PRIZES

1st Place
$1,000,000

2nd Place
$100,000

3rd Place
$50,000

4th Place
$30,000

5th Place
$20,000

DETAILS

- Draft six golfers playing in The Open Championship on 7/16 at St. Andrews GC
- Golfers may be added to the player pool if they are added late to the field
- Win an entry for as little as $0.25 or buy in directly for $20!
- Satellites run through July 12th
- 500 entries allowed per person!
DAILY FANTASY SPORTS FOR CHARITY
Play one-day games. Win cash & prizes. Support your favorite charity.

PLAY FOR FREE — no deposit required!
WIN CASH & prizes
Support your favorite CHARITY!
First deposit bonus — 100% match up to $500!

PLAY NOW
Free and Paid games available!

DEPOSIT NOW
Claim your 100% matching bonus!

The FantasyHub Impact

4906 meals served to children
481 lunches for homeless
5144 trees planted
4878 gallons of safe water

Over $1,000 paid out to charities weekly
Over $73,000 raised for charity
Over $10,000 paid out to players weekly
Hi giljef,

I would like to welcome you to FantasyHub.

If you have ANY questions about how to play, how to draft, or just want to chat about Daily Fantasy Sports, we are always available in this chat!

Just reach out whenever you need and we will answer quickly.

Hope to connect soon,

Steven
Co-Founder of FantasyHub

<table>
<thead>
<tr>
<th>Contests</th>
<th>Charity</th>
<th>Entries</th>
<th>Size</th>
<th>Entry</th>
<th>Payouts</th>
<th>Start Time</th>
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<tr>
<td>MLB - The High-Five (Late)</td>
<td>✔️</td>
<td>100%</td>
<td>69</td>
<td>200</td>
<td>FREE</td>
<td>Prize</td>
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<td>PGA - The Tee It Up Freeroll (Multi Day)</td>
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<td>100</td>
<td>FREE</td>
<td>$100</td>
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<td>MLB - Sharing is Caring Freeroll (Late)</td>
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<td>34</td>
<td>100</td>
<td>FREE</td>
<td>$50</td>
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<tr>
<td>MLB - The Charity Star</td>
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<td>$5</td>
<td>$23</td>
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<tr>
<td>MLB - The High-Five (Late)</td>
<td>100%</td>
<td>69</td>
<td>200</td>
<td>FREE</td>
<td>Prize</td>
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<td>MLB - The Charity Star</td>
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<td>5</td>
<td>$25</td>
<td>$115</td>
<td>Today, 7:05PM</td>
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</table>
OFFICIAL FANTASY FOOTBALL GAME OF THE NFL

CREATE A FREE CUSTOM LEAGUE
• CREATE A LEAGUE AND INVITE YOUR FRIENDS TO PLAY
• CUSTOMIZE SETTINGS AND SCORING

JOIN A FREE FANTASY LEAGUE
• JOIN AN NFL-MANAGED LEAGUE AND YOU COULD WIN EXCLUSIVE PRIZES* OR
• JOIN A LEAGUE WITH CUSTOM RULES

CONTINUE YOUR LEAGUE
• GET YOUR 2014 LEAGUE READY FOR THE 2015 SEASON
• ACCESS LEAGUE HISTORY AND RECORD BOOK

CREATE A LEAGUE
JOIN A LEAGUE
ACTIVATE A LEAGUE

Restrictions apply *

MY FANTASY TEAMS
Fantasy Football 2015
Sign In to view your teams and leagues.

ALWAYS FREE TO PLAY
Join a League »
Activate a League »
Create a League »
Autopick Team »

PLAY MORE GAMES
NFL.com Fantasy 2015
Sign up for free today!

NFL Perfect Challenge
Access 2014 » | Pre Register 2015 »
Daily Fantasy Sports for Cash

FREE ENTRY TO A FANTASY CONTEST – WIN REAL CASH!
PLUS, deposit now and we’ll double your cash!

PLAY NOW

Enter Promo Code

The New York Times  WALL STREET JOURNAL  The Boston Globe

MORE THAN $1 BILLION GUARANTEED IN 2015!

HOW TO PLAY
### The Quickest Way To Do Your MLB Research Is With Our Cheat Sheet - READ HERE »

<table>
<thead>
<tr>
<th>Event</th>
<th>Prize</th>
<th>Entry Fee</th>
<th>Entries</th>
<th>Live In</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive the Green Pacifi City - JUN 4th</td>
<td>$250,000</td>
<td>$3</td>
<td>49.3K/95.8K</td>
<td>17:30:40</td>
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<tr>
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<td>PGA $2.5M Millionaire Maker (U.S. Open, $1M to 1st)</td>
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<td>19.9K/143.1K</td>
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<td>Summer GM5: Swing for the Fences [100K to 1st]</td>
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### CREATE A LINEUP »

### CREATE A CONTEST »

### REFER A FRIEND »
THE TEAMS MAY BE FANTASY, BUT THE PRIZES ARE VERY REAL.

A collaboration between the Montana Board of Horse Racing and the Montana Lottery, Montana Fantasy Sports lets players create football or racing teams for a chance to win. Welcome to the big leagues.
Read a few testimonials from our happy users and previous winners - you could be next!

"I have played fantasy sports for years. The most hyped day of the season is draft day. Now you can get that same adrenaline rush weekly at Skyllzone. You beat the computers you win and do real good get more money globally. I did just that and won 100 bucks for beating computers. This is the next big thing and glad I found it. Boomshock!"

- Tim D.

"Skyllzone is the wave of the future for fantasy. Drafts can be done when you want and completed in minutes. Drafts can be done at your pace as well, get halfway through and something comes up, it waits for you to return. There is no pressure, it's fantasy your way. I have had a blast with it, their product is excellent and it's free."

- R. C.

"Skyllzone is the REAL DEAL. I have requested and received a check from Skyllzone for winning my league. The check cashed and I continue to take advantage of the chance to win free money while participating in a stress free draft against computer opponents. Stop looking a gift horse in the mouth and play this game!"

- Jeff W.

"Quick, Easy, and best of all FREE! The next best thing in fantasy sports! Nothing makes me feel more intelligent than beating a computer!"

- Patrick G.
Some hypocrisy?
Cincinnati Reds great Pete Rose is still revered by many fans, but Major League Baseball as a whole keeps its distance because of Rose’s ties to gambling. However, it endorses fantasy leagues.
The Fantasy MARKETPLACE
CLASSIC FANTASY SPORTS INDUSTRY

MARKET FACTS

- $2B Industry with a $5B Economic Impact
- 41.5M Fantasy Players in North America (13% of online)
- The Average Fantasy Player Spends $467 each year on Fantasy Sports
- Almost 50% of major sports sites’ traffic comes from Fantasy Sports Players looking at scores, stats and reading articles/blogs: 46% CBS, 47% Yahoo!

Sulsky (2015)
The Global Fantasy Sports market was valued at $3.78 billion in 2014. Expected to reach $6.26 billion by 2019, growing at a rate of 10.62 percent during the forecast period.

Sulsky (2015)
THE NEW BOOM: DAILY FANTASY SPORTS (DFS)

- Fanduel & Draft Kings raised a combined $111M in 2014
- Draft Kings raised $250M ($900m valuation) in April '15
- Only <5% of total Fantasy Players active in DFS…so far

DFS Active Player Spending:
- 50% Spend $500+ per year *
- 70% spend $300+ per year *

Other:
- Online Poker Player: $765+ per year **
- Sports Gambling: $80B - $360B per year ***

As DFS awareness spreads to the season-long fantasy player & sports enthusiast, DFS revenues will climb.

*Source: Company reports, Eilers Research, LLC
**Source: Academicon, October 16, 2013

Source: Company reports, Eilers Research, LLC
THE NEW BOOM: DAILY FANTASY SPORTS (DFS)

Fantasy sports in 2014

DFS = $91M

41.5 Million Total Fantasy Players

2M

DFS revenues estimated to increase by $1.69B over the next 5 years
Rate of growth of 36%-46% vs. Overall Fantasy Industry of 10.62%

DFS is the GROWTH Opportunity in Social, Mobile & Gaming

Sulsky (2015)
### Demographics

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>13%</td>
<td>N Americans (41.5M)</td>
</tr>
<tr>
<td>21%</td>
<td>All 18-34 age group</td>
</tr>
<tr>
<td>18%</td>
<td>All College Degrees</td>
</tr>
<tr>
<td>19%</td>
<td>Among Males</td>
</tr>
<tr>
<td>80%</td>
<td>Male</td>
</tr>
<tr>
<td>49.9%</td>
<td>Married</td>
</tr>
<tr>
<td>79%</td>
<td>Owns own home</td>
</tr>
<tr>
<td>$94,566</td>
<td>Avg HHI</td>
</tr>
</tbody>
</table>

### Behavior

<table>
<thead>
<tr>
<th>%</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40%</td>
<td>Paying - will pay more</td>
</tr>
<tr>
<td>10%</td>
<td>Used Offshore Site</td>
</tr>
<tr>
<td>22%</td>
<td>Wagered - Horse-track</td>
</tr>
<tr>
<td>42%</td>
<td>Wagered at a Casino</td>
</tr>
<tr>
<td>22%</td>
<td>Placed Vegas Bet</td>
</tr>
<tr>
<td>12%</td>
<td>Placed On-Line Bet</td>
</tr>
<tr>
<td>42%</td>
<td>Cell - Fantasy</td>
</tr>
<tr>
<td>96%</td>
<td>E-mail for Fantasy</td>
</tr>
</tbody>
</table>

### Buying Habits

<table>
<thead>
<tr>
<th>Fantasy Player</th>
<th>Category</th>
<th>US Sports Fan</th>
</tr>
</thead>
<tbody>
<tr>
<td>72% Beer</td>
<td>49%</td>
<td></td>
</tr>
<tr>
<td>69% Alcohol</td>
<td>53%</td>
<td></td>
</tr>
<tr>
<td>93% Fast Food</td>
<td>86%</td>
<td></td>
</tr>
<tr>
<td>95% Soda</td>
<td>88%</td>
<td></td>
</tr>
<tr>
<td>90% Athletic Shoes</td>
<td>81%</td>
<td></td>
</tr>
<tr>
<td>58% Video Consoles</td>
<td>42%</td>
<td></td>
</tr>
<tr>
<td>93% Cell Phone</td>
<td>89%</td>
<td></td>
</tr>
<tr>
<td>63% Reads Sports Mags</td>
<td>49%</td>
<td></td>
</tr>
</tbody>
</table>

Source: Ipsos Public Affairs and University of Mississippi Studies

- 60+% of Fantasy players have wagered at a casino or racetrack
- DFS has only converted <5% of 41m+ total players

Sulsky (2015)
Sports Wagering Distribution

- NFL Football 77%
- MLB Baseball 33%
- NASCAR 21%
- NBA Basketball 20%
- College Football 20%
- NHL Hockey 18%
- Golf 15%
- Pro Soccer 12%
FANTASY PLAYER DYNAMICS

Classic Fantasy Player
- Season-long engagement
- Plays with groups/friends
- Much more social
- “GM” mentality
- 50+% have gambled at a casino/racetrack

Daily Fantasy Player
- 1 day at a time gaming
- Plays alone
- Spends time every day
- Gambler mentality

Sulsky (2015)
Why Fantasy Sports?

• Long history in U.S. Began in the late 1950s, 1960s.

• Really took off in the 1990s with the saturation of high speed internet usage; Watershed moment in 1997 Commissioner.com and RotoNews.com; 2008 Montana State Lottery starts its own fantasy sports.

• Today: Fantasy Sports is becoming a MAINSTREAM SOCIAL ACTIVITY with large corporations Investing hundreds of millions to increase playing.
Why Fantasy Sports?

- “Someone has been convinced that daily fantasy is the panacea, discovery of the Golden Fleece, solving the riddle of the Gordian Knot, free passes to Willy Wonka’s Chocolate Factory and who knows what else.” (Mickey Charles, The Sports Network, June 2015)

- Disney intended to invest $250 million in Draft Kings (on proviso they would invest $500 million in advertising on ESPN); other leading investors MLB, NBA, NFL, Comcast.

- Can play for little money or significant amounts of money.
Fantasy Sports: A Socially Acceptable Activity

• It’s not going away but will only get bigger & bigger.” (Nic Sulsky, Sportech, 2015)

• Business to Business Model (60% of Fantasy Sports players also gamble in a casino).
A Classification Scheme (Farquhar & Meeds; 2007) N=42

Casual Players 13% $0-20 annually- primarily engaged in for entertainment & maintain interest.

Skilled Players 21% highly involved; 4-5 hrs per week $12-50 annually - Maintain interest, distraction from daily routines, money enhances the “fantasy experience”.

Isolationist Thrill Seeker 9.5% - average age 20, Spends about $20 per year-not very serious players, signs of addictive behaviors-rely upon hope that victory is just around the corner; concern about keeping up with their buddies.
A Classification Scheme (Farquhar & Meeds; 2007) N=42

Trash Talkers  9.5%  1-2hrs per week, <20.5 years old, “bragging rights”; escape, a form of healthy distraction, love of winning.

Formatives  5%  average age 20.5; played because its harmless good fun.
Is Fantasy Sports wagering for money legal?
Fantasy Sports and Gambling: The Line is Blurred

- Many operators and proponents seem to believe that the UIGEA creates a safe harbor for all Fantasy Sports. FanDuel declared: Fantasy Sports is considered a game of skill and received a special exemption from the 2006 Unlawful Internet Gambling enforcement Act, FanDuel uses exactly the same rules as any other season-long Fantasy Sports format, the only difference is that our games last only one day or one week” (www.fanduel.com/Legal) 2015.

- Draft Kings states on its website the business is in a “game of skill” and is “100% legal in Canada and the U.S.”
Fantasy Sports and Gambling: The Line is Blurred

- Former Rep. Jim Leach, author of the 2006 UIGEA, said “no one ever conceived of it [fantasy sports] becoming a large scale activity or that it could transition into one-day contests.” (Pempus, May, 2015).

- No current court opinions on whether daily fantasy games has sufficient skill elements to keep it out of the category of sports wagering. (Rose, 2015).

- “Fantasy Sports currently operate in a murky legal environment.” (Gemignani & Gaynor, June, 2015)
Fantasy Sports and Gambling: The Line is Blurred

- Fantasy Sports laws are complex & intricate. (Light, Rutledge & Singleton, 2011)

- On a given day an injury, a hailstorm or a ball bouncing strangely could affect the result. In this regard, playing daily fantasy seems very similar to placing a bet with a bookmaker. (Ryan Rodenberg, Professor of Sports Law, Florida state University, CNBC, March, 2013).
Should we be concerned? Does it really matter?
Fantasy Sports Betting: The Good, The Bad & The Ugly
Motivating Factors

Nesbit & King (2010) MLB & NFL ESPN Poll
• Fantasy Sports participation leads to increased interest in and number of games watched.
• Participants engaged in Fantasy Sports showed a 75% increase in viewing MLB games; 35% NFL games.

Davis & Duncan (2006)
• Fantasy Sports was used as a “means of reaffirming masculinity.”

Stafford, Stafford & Schikade (2004)
• 3 reasons for engaging in Fantasy Sports:
  • content
  • entertainment/escape
  • social interaction
Motivating Factors

Suh, Lim Kwak & Pedersen (2010)

• N=334 UG students in Midwest US
• 161 play FS (48%)
• 90.1% males; 9.9% Females
• Need for winning money
• Competition
• Achievement
• Fantasy (e.g., being a general manager)
• Constraints (time, accessibility)
• Mobile devices breaking barriers
Motivating Factors

Lee, Kwak, Lim, Pedersen & Miloch (2011) N=244

• Impulsivity influenced behavioral intentions.
• Fantasy Sports players indicated higher degrees of novelty seeking and desire for “complex experiences”.

Is there a relationship between fantasy sports and problem gambling?
### Past year Fantasy Sports participation among a sample of college students (N=1556)

<table>
<thead>
<tr>
<th>Past year fantasy sports participation</th>
<th>Total (N=1556)</th>
<th>Males (N=557)</th>
<th>Females (N=996)</th>
</tr>
</thead>
<tbody>
<tr>
<td>no money</td>
<td>100 (6.5%)</td>
<td>85 (15.3%)</td>
<td>15 (1.5%)</td>
</tr>
<tr>
<td>for money</td>
<td>78 (5.0%)</td>
<td>72 (12.9%)</td>
<td>6 (0.6%)</td>
</tr>
</tbody>
</table>

Martin & Nelson (2014)
## Fantasy Sports Participation: College Students DSM ≥1 (N=1556)

<table>
<thead>
<tr>
<th></th>
<th>Fantasy Sports: Free play</th>
<th>Fantasy Sports: Money</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total (N=100)</td>
<td>Total (N=78)</td>
</tr>
<tr>
<td></td>
<td>Males (N=85)</td>
<td>Males (N = 72)</td>
</tr>
<tr>
<td></td>
<td>Females (N=15)</td>
<td>Females (N=6)</td>
</tr>
<tr>
<td>Fantasy Sports: Free</td>
<td></td>
<td></td>
</tr>
<tr>
<td>play</td>
<td>14.9%</td>
<td>26.9%</td>
</tr>
<tr>
<td></td>
<td>11.8%</td>
<td>27.8%</td>
</tr>
<tr>
<td></td>
<td>26.7%</td>
<td>16.7%</td>
</tr>
</tbody>
</table>

Martin & Nelson (2014)
Fantasy Sports Participation

Fig. 1. Fantasy sports participation and gambling-related problems among males and females.

Martin & Nelson (2014)
### Participation in Fantasy Sports Among College Student-Athletes

Marchica & Derevensky (2015)

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free fantasy league</td>
<td>37.6% 50% 50.7%</td>
<td>5.5% 8.4% 8.4%</td>
<td>43.1% 58.4% 59.1%</td>
</tr>
<tr>
<td>Fantasy league with</td>
<td>15.5% 17% 18.7%</td>
<td>2.7% 2.4% 1.8%</td>
<td>18.2% 19.4% 20.5%</td>
</tr>
<tr>
<td>entry fee and prize</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>money</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2004 Total N=20,587 (Males 62%)
2008 Total N=19,942 (Males 62%)
2012 Total N=22,935 (Males 57%)
<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Social Gamblers</td>
<td>At-Risk/PPG</td>
</tr>
<tr>
<td>Free Fantasy Leagues</td>
<td>52.2%</td>
<td>65.4%</td>
</tr>
<tr>
<td>Fee-Based Fantasy Leagues</td>
<td>18.4%</td>
<td>48.1%</td>
</tr>
</tbody>
</table>

Marchica & Derevensky (2015)
Conclusions

- There have been no court challenges to the legality of daily fantasy sports wagering.

- Sports wagering internationally remains highly popular and will likely increase with legislative changes regarding sports wagering in general.

- Fantasy Sports wagering may just be one more form of gambling for social/recreational gamblers as well as problem gamblers.
Conclusions

• It is important to examine the relationship between problem gambling and fantasy sports gambling among diverse populations not just college students.

• Operators of fantasy sports wagering sites should provide age verification checks and include more responsible gambling features.

• Need to examine not only prevalence but the psychological factors placing some individuals at risk for problems.