

Craig O'Shannessy

What Matters Most to Winning

Webinar am 03.04.2020
an der Base in Oberhaching

(eine um rund 40 Min. gekürzte Fassung)

No. 1 in the World

YEAR	PLAYER	W/L	MATCH WIN %
2019	R. Nadal	58-7	89%
2018	Novak Djokovic	49-11	82%
2017	Rafael Nadal	67-11	86%
2016	Andy Murray	78-9	90%
2015	Novak Djokovic	82-6	93%
2014	Novak Djokovic	61-8	88%
2013	Rafael Nadal	75-7	92%
2012	Novak Djokovic	75-12	86%
2011	Novak Djokovic	70-6	92%
2010	Rafael Nadal	71-10	88%
-	TOTAL / AVERAGE	686 - 87	89%

YEAR	PLAYER	POINTS WON %
2019	R. Nadal	56%
2018	N. Djokovic	54%
2017	R. Nadal	56%
2016	A. Murray	55%
2015	N. Djokovic	56%
2014	N. Djokovic	55%
2013	R. Nadal	55%
2012	N. Djokovic	55%
2011	N. Djokovic	56%
2010	R. Nadal	55%
2009	R. Federer	54%
2001	L. Hewitt	53%
2000	G. Kuerten	53%
1996	P. Sampras	53%
1991	S. Edberg	53%

Top 50: True / False

True

11/50 (22%) lost more
points than they won in 2018

Top 50: 2018 Season

RANKING	POINTS WON	POINTS PLAYED	WIN %
1-10	54,424	103,105	52.79%
11-20	46,260	90,239	51.26%
21-30	42,648	83,797	50.89%
31-40	37,101	73,685	50.35%
41-50	36,832	74,261	49.60%
TOTAL/AVERAGE	217,265	425,087	51.11%

2015-2019 > 52%

#	PLAYER	PERCENTAGE POINTS WON
1	Novak Djokovic	54.95%
2	Rafael Nadal	54.73%
3	Roger Federer	54.54%
4	Andy Murray	53.08%
5	Milos Raonic	52.43%
6	Juan Martin del Potro	52.42%

Season Leader 2015-19

#	PLAYER	PERCENTAGE POINTS WON
2019	R. Nadal	55.77%
2017	R. Nadal	55.53%
2015	N. Djokovic	55.53%
2018	R. Nadal	55.42%
2016	N. Djokovic	55.27%

2016 Season

RANKING	PLAYER	% POINTS WON	PRIZEMONEY
1	Andy Murray	55%	\$13,327,822
2	Novak Djokovic	55%	\$12,630,465
5	Kei Nishikori	53%	\$4,324,963
10	Tomas Berdych	52%	\$2,318,756
20	Ivo Karlovic	50%	\$1,267,348
50	Florian Mayer	49%	\$695,103

Karlovic = No. 20

Prizemoney = \$1,267,348

Matches Won 32-24 (57%)

Points Won 4612

Points Lost 4611

Consistency

old mantra

make 20 balls / do it 4 times

Consistency

new mantra

make 4 balls / do it 20 times

Consistency

is consistency
overrated?

2015 = Rally Length

0-4 shots	first strike
5-8 shots	patterns of play
9+ shots	extended rallies

The First 4 Shots

serve

return

serve +1

return +1

2015 Australian Open

total points

0-4 shots	70%
5-8 shots	20%
9+ shots	10%

5 Grand Slams

which rally length has
the greatest correlation
to winning a match?

5 Grand Slams: Men

Rally Length	0-4 Shots	5-8 Shots	9+ Shots
Win %	91%	66%	55%

2016

RALLY	WIMBLEDON	AUSTRALIA	US OPEN	FRENCH
0-4 shots	94%	92%	84%	95%
5-8 shots	71%	67%	60%	68%
9+ shots	64%	52%	50%	59%

2015 US Open Women

Won Match & Won	0-4 Shots	5-8 Shots	9+ Shots
Win %	81%	61%	43%

0-4 Shots /2016 Slams

Wimbledon 71%

Australian Open 70%

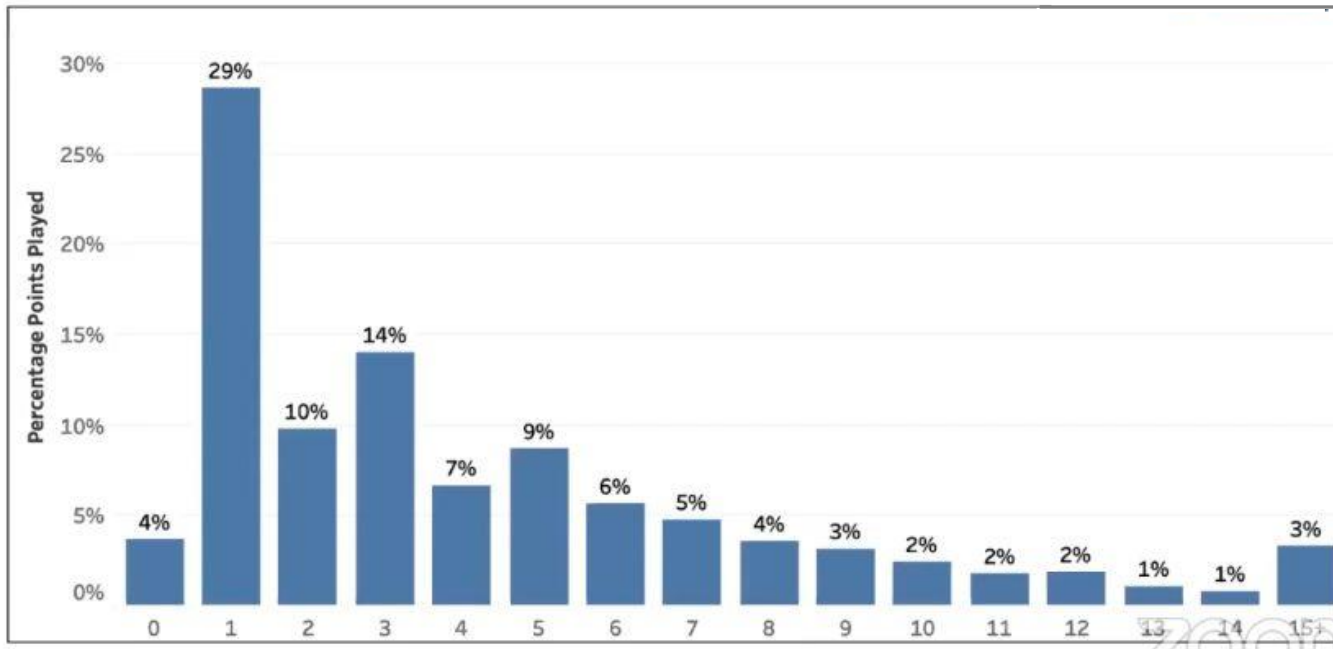
US Open 68%

Roland Garros 67%

#	SHOTS	%
1	1 shot	29.5%
2	3 shots	15.4%
3	2 shots	9.5%
4	5 shots	8.6%
5	4 shots	7.5%
6	6 shots	5.3%
7	7 shots	4.7%
8	8 shots	3.1%
9	0 (double fault)	2.7%
10	9 shots	2.3%

#	SHOTS	%
11	10 shots	1.9%
12	11 shots	1.9%
13	12 shots	1.1%
14	13 shots	0.9%
15	14 shots	0.8%
16	15 shots	0.7%
17	16 shots	0.6%
18	17 shots	0.5%
19	18 shots	0.1%
20	19 shots	0.3%

Novak Djokovic Rally Length (2 of 3)



Clay vs. Hard

...are you sure?

Clay vs. Hard

Roland Garros vs. US Open

2016 / 2017 / 2018

MEN 2016 - RG vs. US Open

RALLY LENGTH	ROLAND GARROS	US OPEN
0-4 Shots	66.9%	68.0%
5-8 Shots	21.2%	21.3%
9+ Shots	11.9%	10.7%

MEN 2017 - RG vs. US Open

RALLY LENGTH	ROLAND GARROS	US OPEN
0-4 Shots	70.7%	67.8%
5-8 Shots	19.4%	21.2%
9+ Shots	10.0%	11.0%

MEN 2016/17/18 - RG vs. US Open

RALLY LENGTH	ROLAND GARROS	US OPEN
0-4 Shots	68.6%	68.0%
5-8 Shots	20.7%	21.2%
9+ Shots	10.7%	10.8%

MEN: Clay vs. Hard

- Points were shorter on clay
- Points were longer on hard

MEN: Clay vs. Hard

Clay

patience
grinding

Hard

first strike
attacking

Women 2016/17/18 - RG vs. US Open

RALLY LENGTH	ROLAND GARROS	US OPEN
0-4 Shots	64.7%	63.8%
5-8 Shots	23.5%	24.4%
9+ Shots	11.8%	11.8%

WOMEN: Clay vs. Hard

- Points are shorter on clay
- Long rallies are the same

Win Prediction Index

2017 Roland Garros

Which strategies matter most
to winning matches on clay?

Win Prediction Index

More Aces
Less Double Faults
Faster 1st Serve
1st Serve Percentage
1st Serve Pts Won
2nd Serve Pts Won
1st Return Pts Won
2nd Return Pts Won

Less Forced E.
Less Unforced E.
Baseline Points Won
More Winners
Net Points Won
Higher % Break
Points Won

0-4 Shots
5-8 Shots
9+ Shots

MEN: Win Prediction Index

#	MATCH METRIC	WIN CORRELATION
11	5-8 Shots	65.2%
12	More Winners	63.9%
13	Net Points Won	61.9%
14	Aces	59.4%
15	Less Double Faults	56.1%
16	First Serve Percentage	55.7%
17	Average 1st Serve Speed	50.8%

MEN: Win Prediction Index

#	MATCH METRIC	WIN CORRELATION
T6	2nd Serve Return Points Won	76.6%
T6	2nd Serve Points Won	76.6%
8	Higher % Break Pts Won	70.9%
9	Less Unforced Errors	67.2%
10	9+ Shots	65.7%

MEN: Win Prediction Index

#	MATCH METRIC	WIN CORRELATION
1	0-4 Shots	89.0%
T2	1st Serve Return Points Won	85.2%
T2	1st Serve Points Won	85.2%
4	Baseline Points Won	82.4%
5	Less Forced Errors	77.9%

WOMEN: Win Prediction Index

#	MATCH METRIC	WIN CORRELATION
1	0-4 Shots	84.5%
2	Baseline Points Won	83.9%
T3	1st Serve Points Won	82.8%
T3	1st Serve Return Points Won	82.8%
T5	2nd Serve Return Points Won	76.4%
T5	2nd Serve Points Won	76.4%

Win Prediction Index

9+ Shot Rallies
(grinding / patience / suffering)

Men = 10th / 17

Women = 14th / 17

Rafael Nadal: 23 Masters 1000 Matches

Single Digit vs. Double Digit Rallies

2017 & 2018

Monte Carlo / Madrid / Rome

Rafael Nadal

W/L

21 wins / 2 losses

Rafael Nadal

Single Digit Rallies =

Double Digit Rallies =

2771 points

Rafael Nadal

Single Digit Rallies = 84%

Double Digit Rallies = 16%

Rafael Nadal

Where did Rafa win a higher %
percentage of points?

Single or double digit rallies?

Rafael Nadal

RALLY LENGTH	WON	LOST
0-9 Shots	60%	40%
10+ Shots	58%	42%

2017 Australian Open

Double Faults

2017 Australian Open

DRAW	2ND SERVES / DF
Women	1 out of 7
Men	1 out of 10

2017 US Open

Women

929 double faults

Analysed 767 (83%)

2017 US Open

1. Score
2. Location
3. % of holding

2017 US Open

Deuce Court = 50.3%

Ad Court = 49.7%

2017 US Open Women

What point score do
double faults occur
the most?

2017 US Open Women

POINT SCORE	DOUBLE FAULTS
0-0	110
15-0	69
0-15	69

2017 US Open Women

POINT SCORE	% POINTS WON
Even	35%
Ahead	34%
Behind	31%

2017 US Open Women

DOUBLE FAULTS	WOMEN	MEN
Net	50%	46%
Long	41%	43%
Wide	5%	6%
Center	4%	5%

2017 US Open Women

Double Faults / Game	Hold	Break
tournament average	66%	34%
1 df / game	47%	53%
2 df / game	44%	56%
3 df / game	24%	76%
4 df / game	0%	100%

Los Angeles Times

US OPEN

What's happened to serve and volley in tennis?

With the U.S. Open tournament set to begin Monday, tennis greats weigh in on why the once-common style of play is rarely seen on the court anymore.

August 24, 2013 | By Diane Pucin

Los Angeles Times

"I don't think it's ever coming back, I really don't," said Sampras, who won 14 Grand Slam events, second only to Roger Federer. "It's difficult to learn to do, and it's hard to be successful with it at first, and kids and coaches don't like failure...."

Lindsay Davenport, who won three Grand Slam events, agreed with Sampras. "Yes," she said, "that part of the game is gone and probably for good. I guess you should never say never, but I'd say never."

McEnroe, considered by many to have been the best in the game at volleying, echoed Davenport. "The better rackets is one thing, the strings; the courts are slower in general."

Wimbledon 2002 - 2018

MEN: Serve & Volley

- points played
- points won

17 YEARS	POINTS PLAYED	POINTS WON
2002	33%	67%
2003	25%	67%
2004	23%	67%
2005	19%	68%
2006	14%	68%
2007	12%	66%
2008	10%	68%
2009	10%	69%
2010	8%	69%
2011	6%	67%
2012	6%	67%
2013	8%	68%
2014	8%	71%
2015	10%	71%
2016	8%	67%
2017	7%	69%
2018	7%	65%
AVERAGE	13%	68%

2019 US Open Final

Nadal d Medvedev

7-5, 6-3, 5-7, 4-6, 6-4

- 49 Serve & Volley Points

2019 US Open Final

STRATEGY	NADAL	MEDVEDEV
Baseline	47% (96/204)	39% (75/194)
Net	77% (51/66)	68% (50/74)
Serve & Volley	85% (17/20)	76% (22/29)



US Open 2012
Tournament Stats Leaders
Men's Singles - Strategy



Sorted By:
Baseline Points Won

	Net Points Won	Serve & Volley Points Played	Serve & Volley Points Won	Baseline Points Won
1. Kei Nishikori (R3)	67% (32/48)	2% (5/263)	80% (4/5)	57% (180/314)
2. Novak Djokovic (F)	66% (119/180)	0% (3/603)	100% (3/3)	54% (381/702)
3. David Ferrer (SF)	76% (103/136)	0% (0/688)	0% (0/0)	53% (443/839)
4T. Gilles Simon (R3)	48% (15/31)	0% (0/270)	0% (0/0)	52% (177/339)
4T. Juan Monaco (R1)	76% (16/21)	0% (0/157)	0% (0/0)	52% (114/220)
6T. Alexandr Dolgopolov (R3)	79% (34/43)	1% (2/331)	100% (2/2)	51% (181/354)
6T. James Blake (R3)	71% (66/93)	0% (1/266)	100% (1/1)	51% (129/255)
8T. Janko Tipsarevic (QF)	66% (78/119)	1% (5/550)	60% (3/5)	50% (323/640)
8T. Lukas Lacko (R1)	50% (8/16)	0% (0/118)	0% (0/0)	50% (66/131)
8T. Andy Murray (F)	68% (108/158)	1% (4/786)	75% (3/4)	50% (499/992)
8T. Martin Klizan (R4)	64% (41/64)	0% (1/279)	100% (1/1)	50% (145/289)
8T. Richard Gasquet (R4)	73% (72/99)	3% (10/379)	70% (7/10)	50% (219/437)
8T. Tommy Haas (R1)	65% (20/31)	1% (1/159)	100% (1/1)	50% (80/160)
8T. Radek Stepanek (R1)	69% (25/36)	6% (8/125)	75% (6/8)	50% (57/114)
8T. Juan Martin Del Potro (QF)	69% (65/94)	0% (1/538)	0% (0/1)	50% (314/630)
8T. Tomas Berdych (SF)	61% (102/167)	1% (5/656)	100% (5/5)	50% (343/692)
17. Igor Andreev (R1)	94% (16/17)	0% (0/148)	0% (0/0)	49% (76/155)
18T. Ruben Ramirez Hidalgo (R2)	57% (16/28)	1% (1/199)	100% (1/1)	48% (120/248)
18T. Marin Cilic (QF)	72% (89/123)	0% (0/612)	0% (0/0)	48% (337/697)
18T. Steve Darcis (R2)	63% (24/38)	0% (0/159)	0% (0/0)	46% (72/150)
18T. Ryan Harrison (R2)	58% (26/45)	1% (3/201)	33% (1/3)	46% (106/221)

7 > 50%



US Open 2012
Tournament Stats Leaders
Women's Singles - Strategy



Sorted By:
Baseline Points Won

	Net Points Won	Serve & Volley Points Played	Serve & Volley Points Won	Baseline Points Won
1. Victoria Azarenka (F)	81% (79/97)	0% (0/459)	0% (0/0)	57% (320/563)
2. Serena Williams (F)	63% (46/73)	0% (0/341)	0% (0/0)	56% (216/383)
3T. Irina-Camelia Begu (R2)	83% (10/12)	0% (0/52)	0% (0/0)	55% (39/71)
3T. Kim Clijsters (R2)	63% (15/24)	0% (0/127)	0% (0/0)	55% (90/165)
5T. Maria Kirilenko (R3)	56% (18/31)	1% (1/195)	0% (0/1)	54% (126/232)
5T. Lucie Safarova (R3)	81% (13/16)	0% (0/117)	0% (0/0)	54% (67/125)
5T. Maria Sharapova (SF)	79% (41/52)	0% (0/420)	0% (0/0)	54% (243/454)
8T. Petra Kvitova (R4)	59% (30/51)	0% (1/240)	100% (1/1)	53% (143/268)
8T. Ana Ivanovic (QF)	74% (63/85)	0% (0/331)	0% (0/0)	53% (183/344)
8T. Christina McHale (R1)	36% (4/11)	0% (0/80)	0% (0/0)	53% (70/132)
8T. Angelique Kerber (R4)	63% (30/48)	1% (2/266)	50% (1/2)	53% (205/390)
12. Sara Errani (SF)	80% (47/59)	0% (0/362)	0% (0/0)	52% (262/504)
13T. Dominika Cibulkova (R3)	47% (7/15)	0% (0/129)	0% (0/0)	51% (100/195)
13T. Agnieszka Radwanska (R4)	68% (61/90)	0% (0/269)	0% (0/0)	51% (149/293)
15T. Varvara Lepchenko (R3)	67% (12/18)	0% (0/211)	0% (0/0)	50% (139/276)
15T. Na Li (R3)	70% (21/30)	0% (0/239)	0% (0/0)	50% (137/273)
15T. Romina Oprandi (R2)	71% (15/21)	0% (0/158)	0% (0/0)	50% (103/206)
15T. Mathilde Johansson (R1)	57% (4/7)	0% (0/98)	0% (0/0)	50% (70/141)
15T. Kristina Mladenovic (R3)	72% (13/18)	1% (1/98)	100% (1/1)	50% (57/115)
20T. Marion Bartoli (QF)	68% (56/82)	0% (0/336)	0% (0/0)	49% (201/407)
20T. Nadia Petrova (R4)	68% (15/22)	0% (0/186)	0% (0/0)	49% (104/211)

14 > 50%



2017 Australian Open

tournament average

baseline points won

Roger & Serena

2018 Baseline: Average Win %

GRAND SLAM	MEN	WOMEN
Australia	46.6%	47.7%
Roland Garros	47.6%	48.5%
Wimbledon	46.3%	47.6%
US Open	46.9%	47.6%
AVERAGE	46.8%	47.8%

Wimbledon

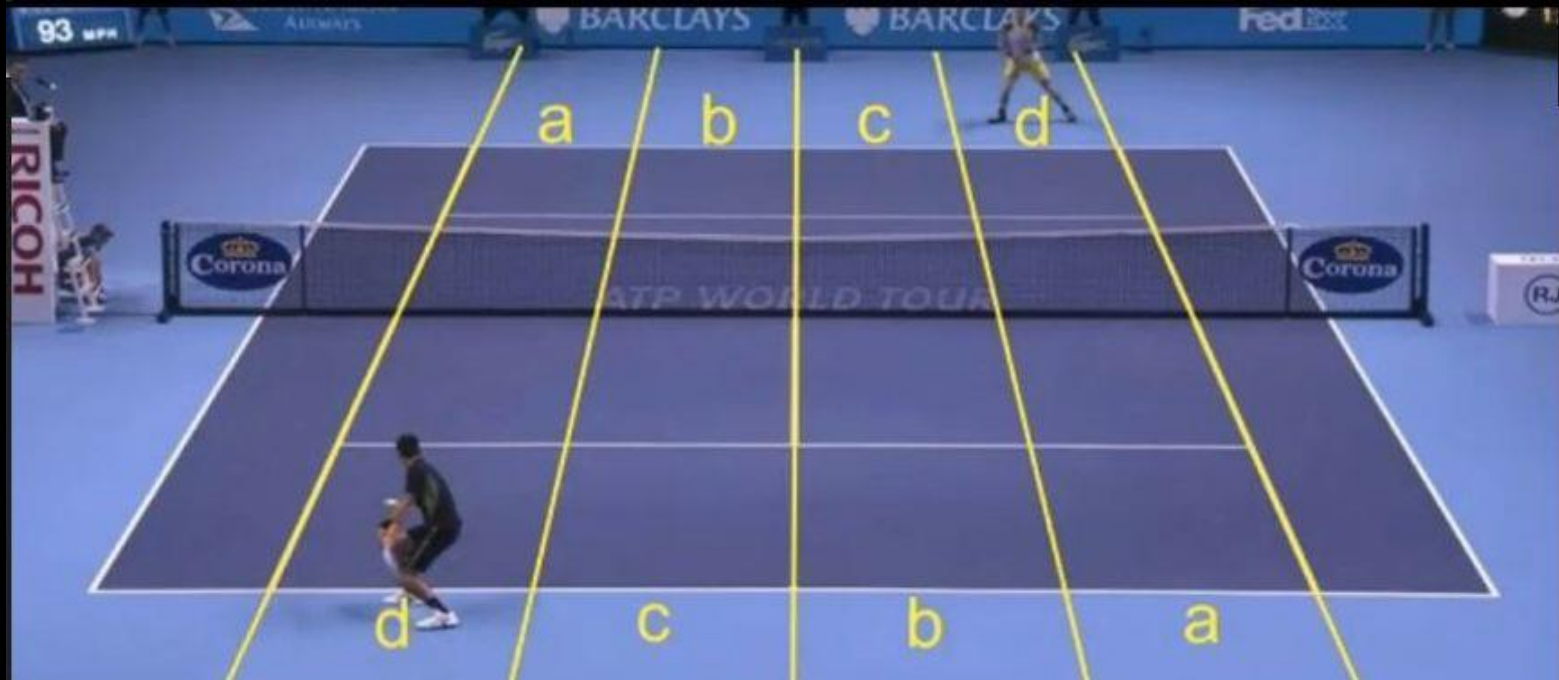
2002 - 2018

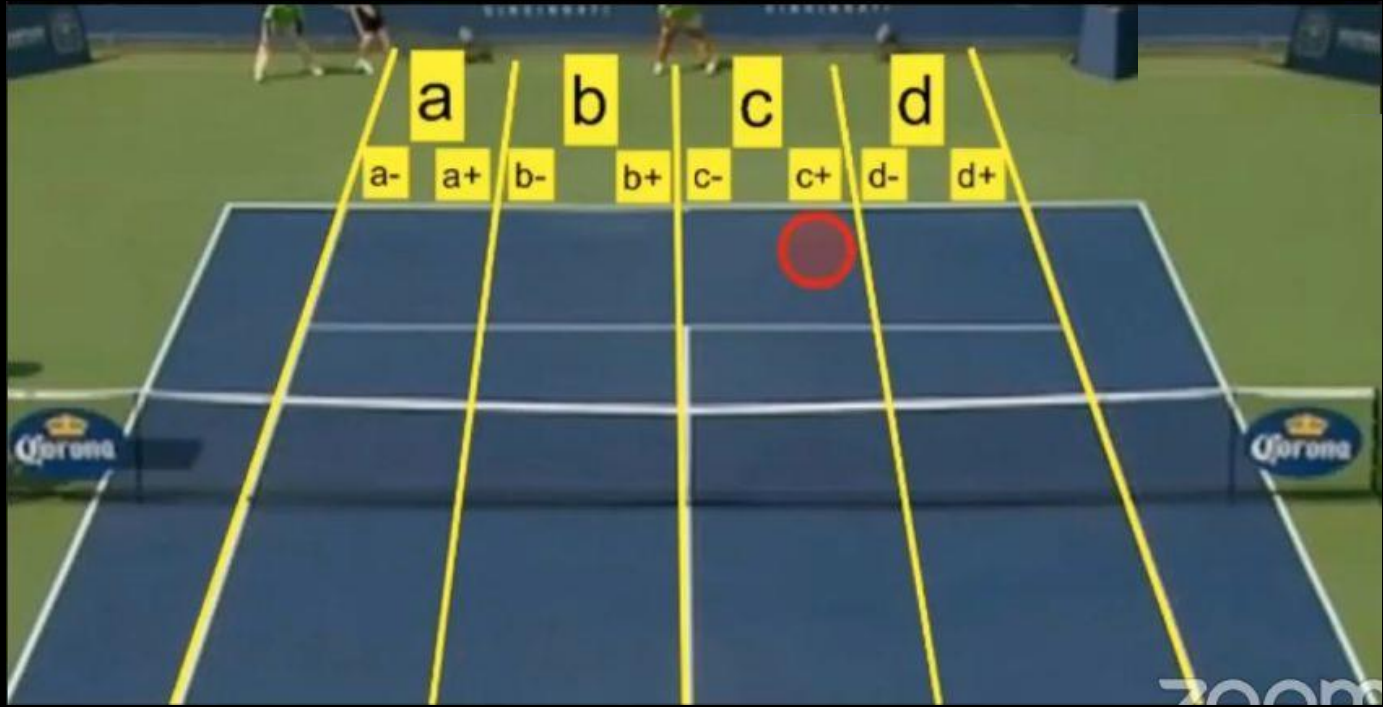
17 years

YEAR	MEN	WOMEN
2002	44.9%	46.9%
2003	45.5%	47.1%
2004	45.3%	47.3%
2005	45.2%	47.2%
2006	45.9%	47.4%
2007	45.9%	47.3%
2008	45.8%	47.7%
2009	45.0%	47.0%
2010	45.6%	47.1%
2011	45.8%	47.5%
2012	45.6%	47.2%
2013	45.1%	47.0%
2014	45.5%	47.2%
2015	46.1%	47.2%
2016	45.5%	47.5%
2017	45.9%	47.2%
2018	46.3%	47.7%
AVERAGE	45.6%	47.3%

2016 US Open

EVENT	BASELINE	NET	SERVE & VOLLEY
Men	47%	65%	65%
Women	47%	65%	66%





Baseline Patterns

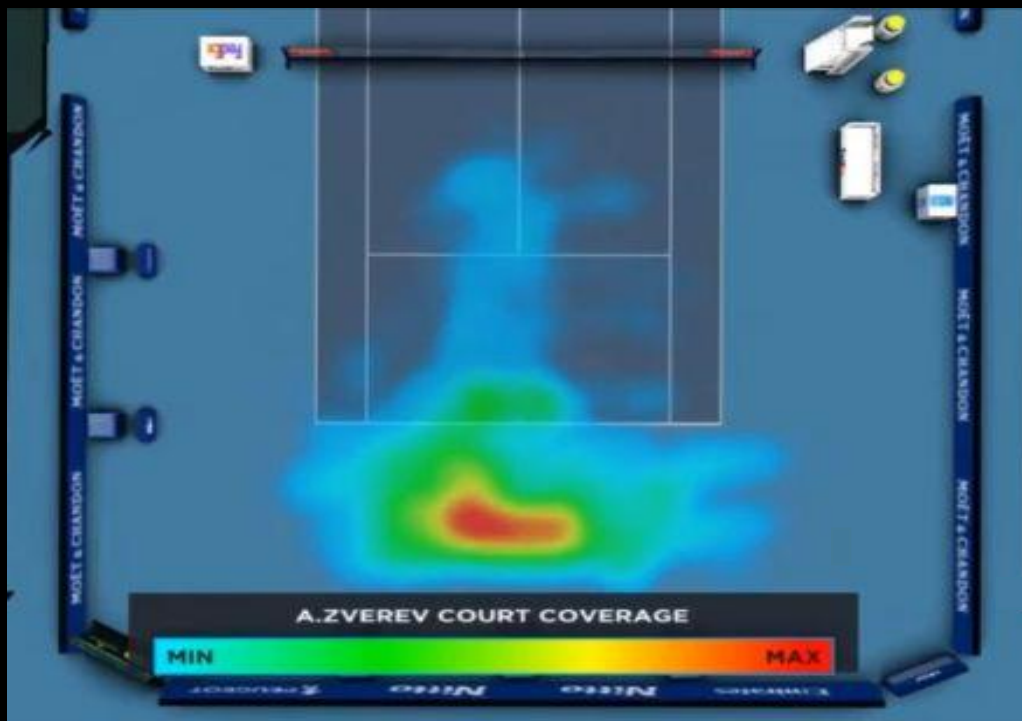
1. where do we rally?
2. where are winners hit from?
3. where are winners hit to?

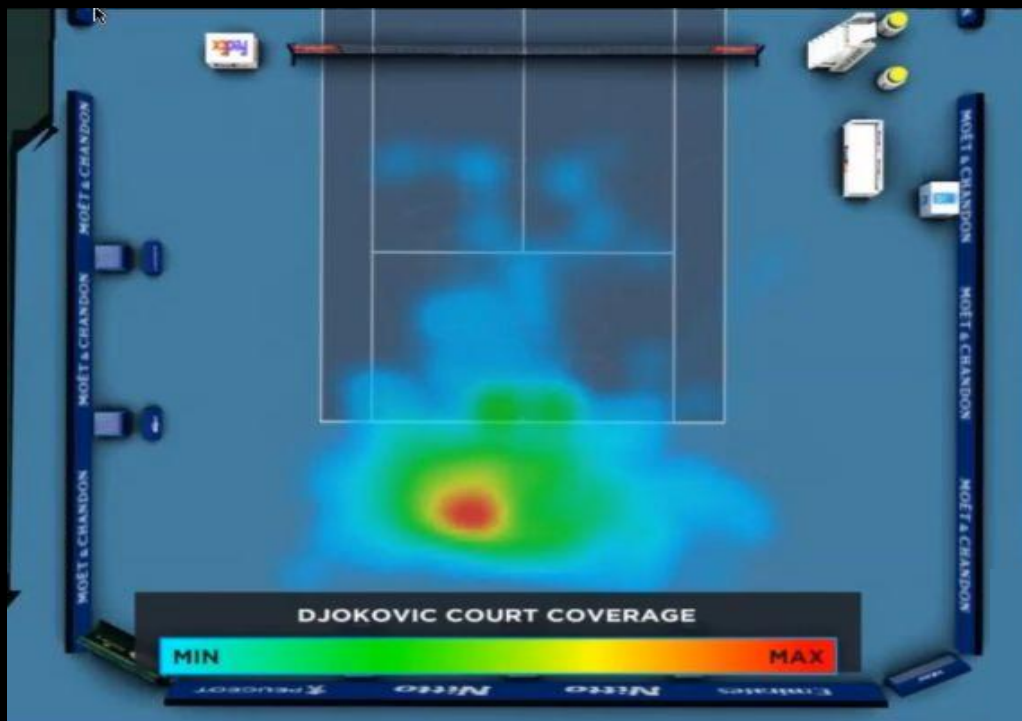
2018 London ATP Finals

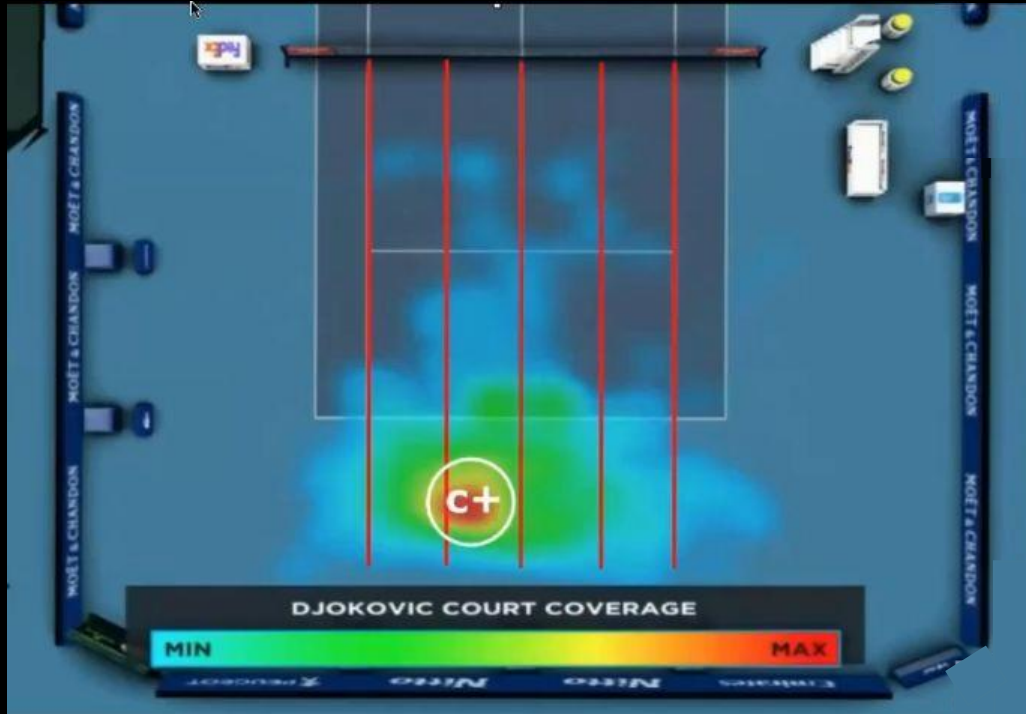
Final

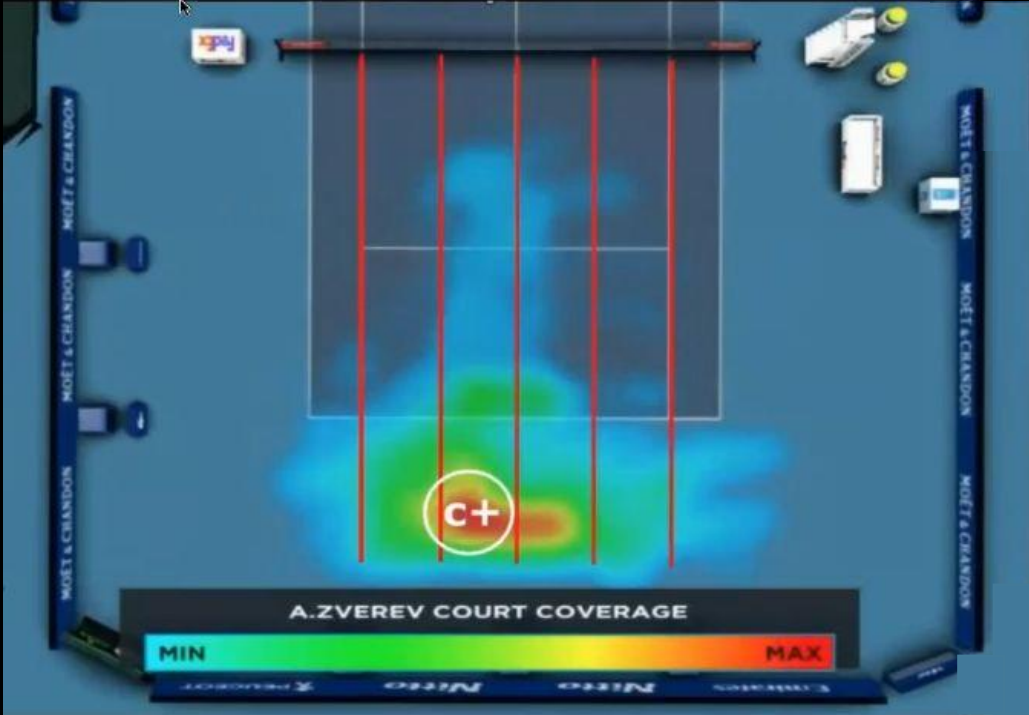
A. Zverev def N. Djokovic

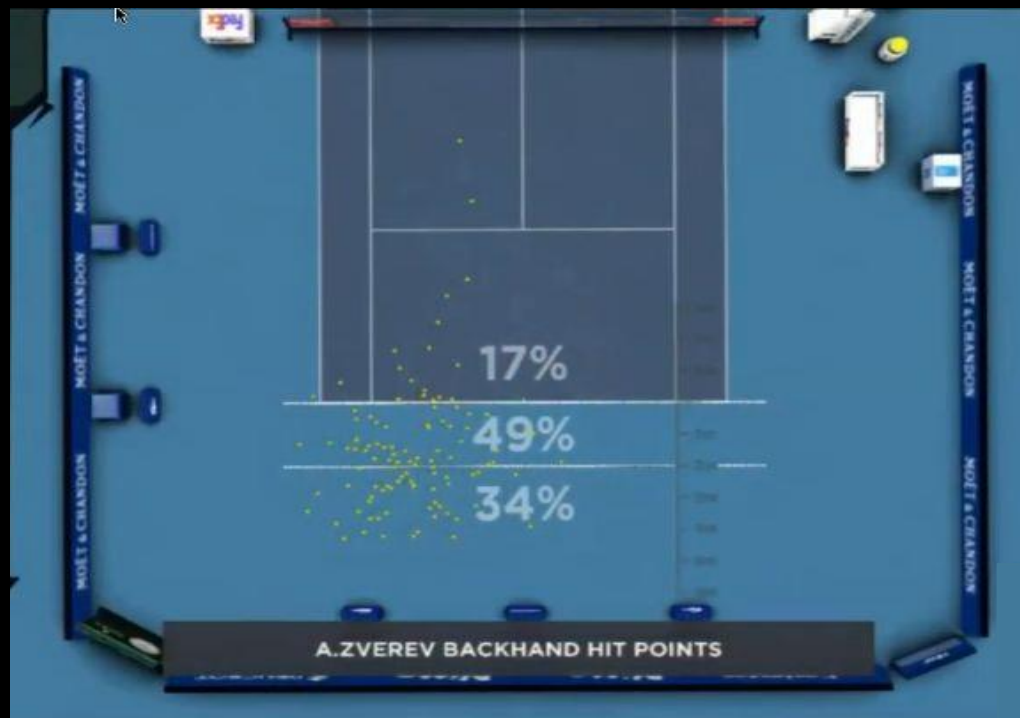
6-4, 6-3

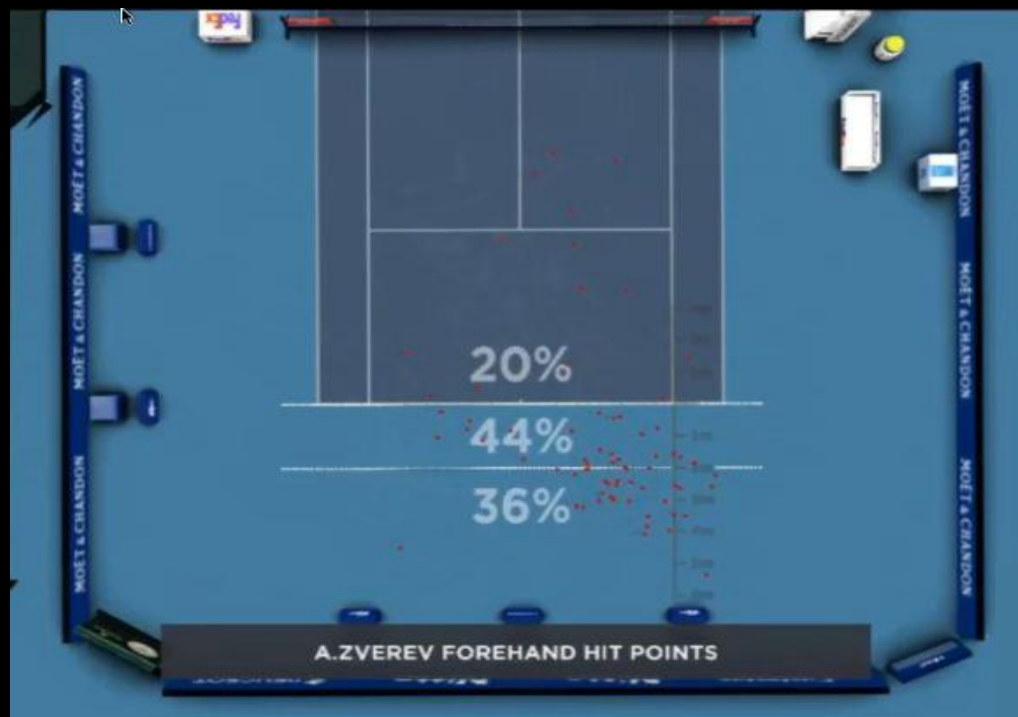










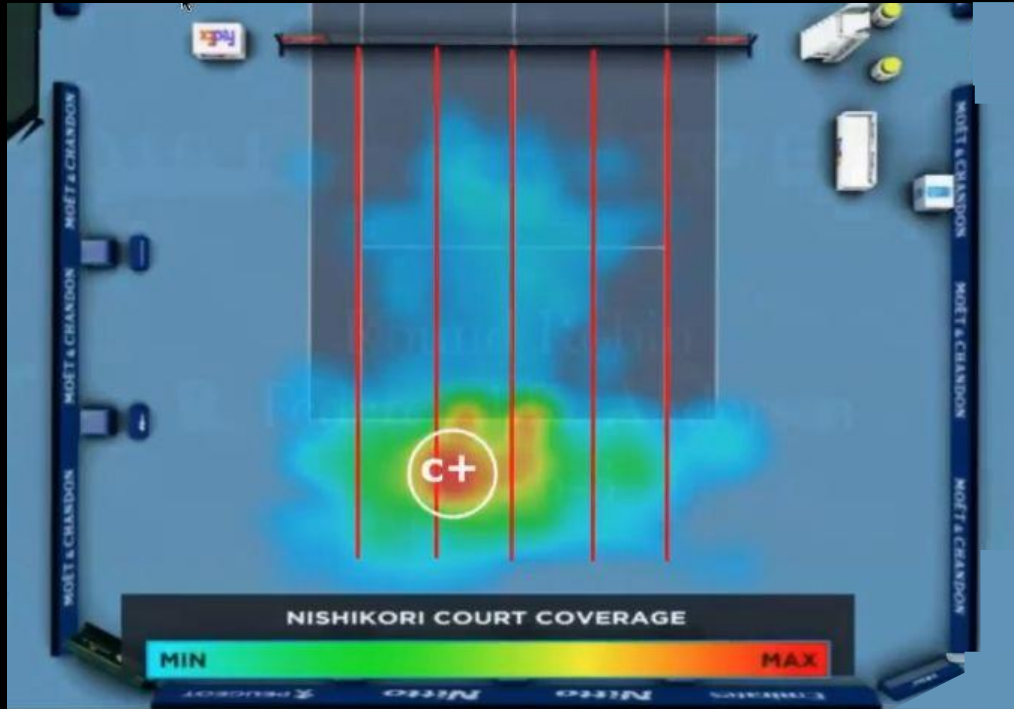


2018 London ATP Finals

Round Robin

D. Thiem d K. Nishikori

6-1, 6-4

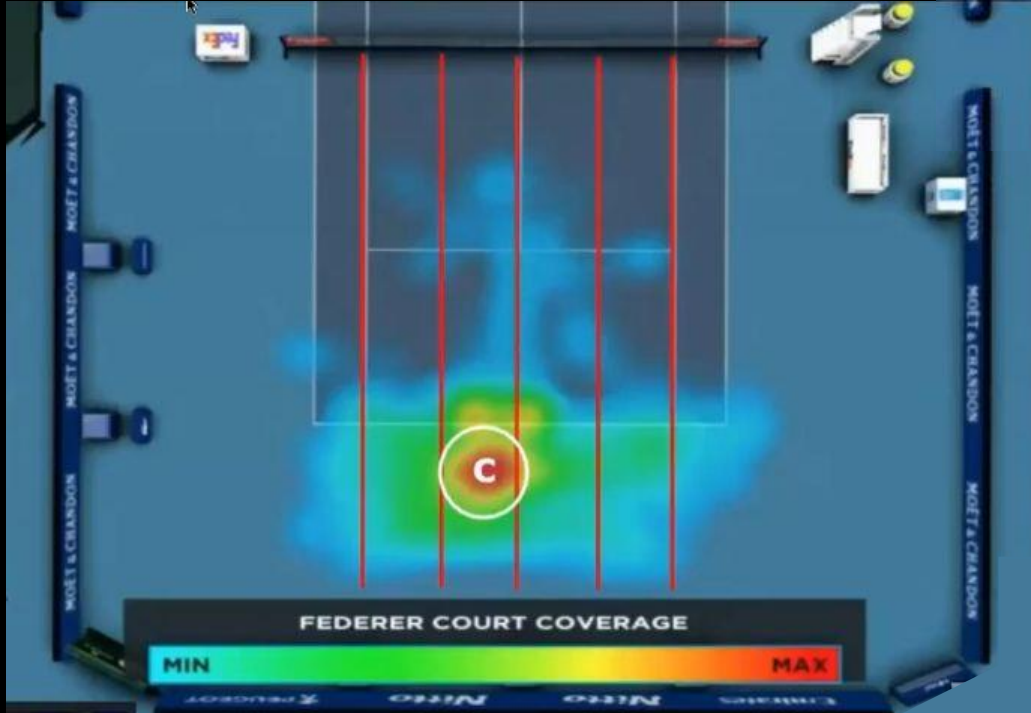


2018 London ATP Finals

Round Robin

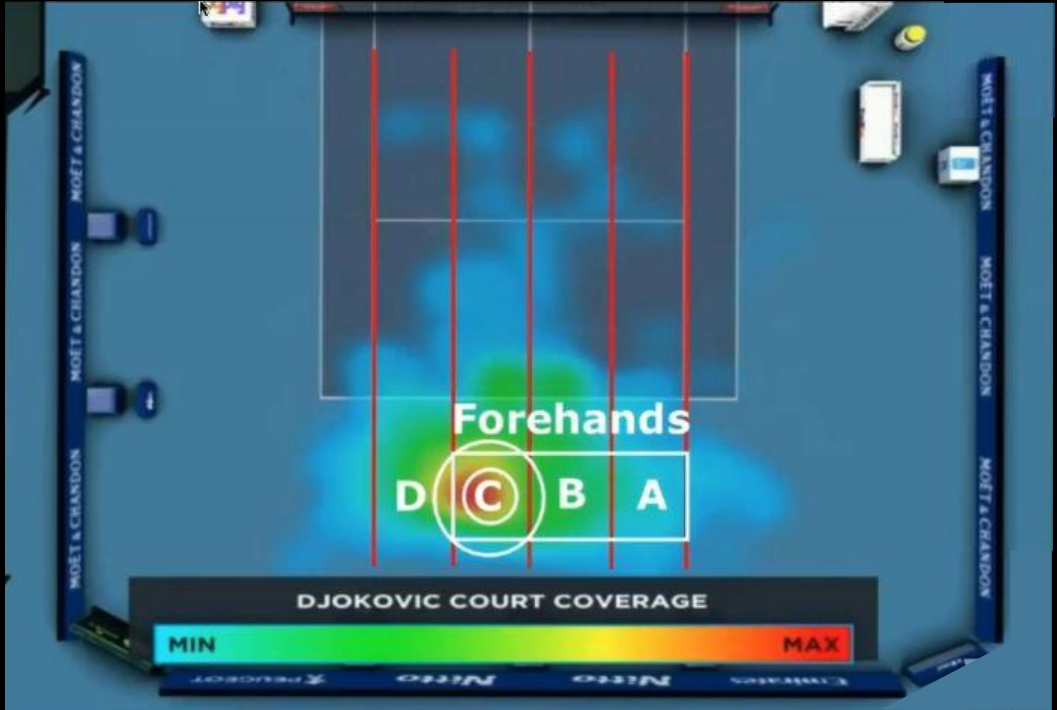
R. Federer d K. Anderson

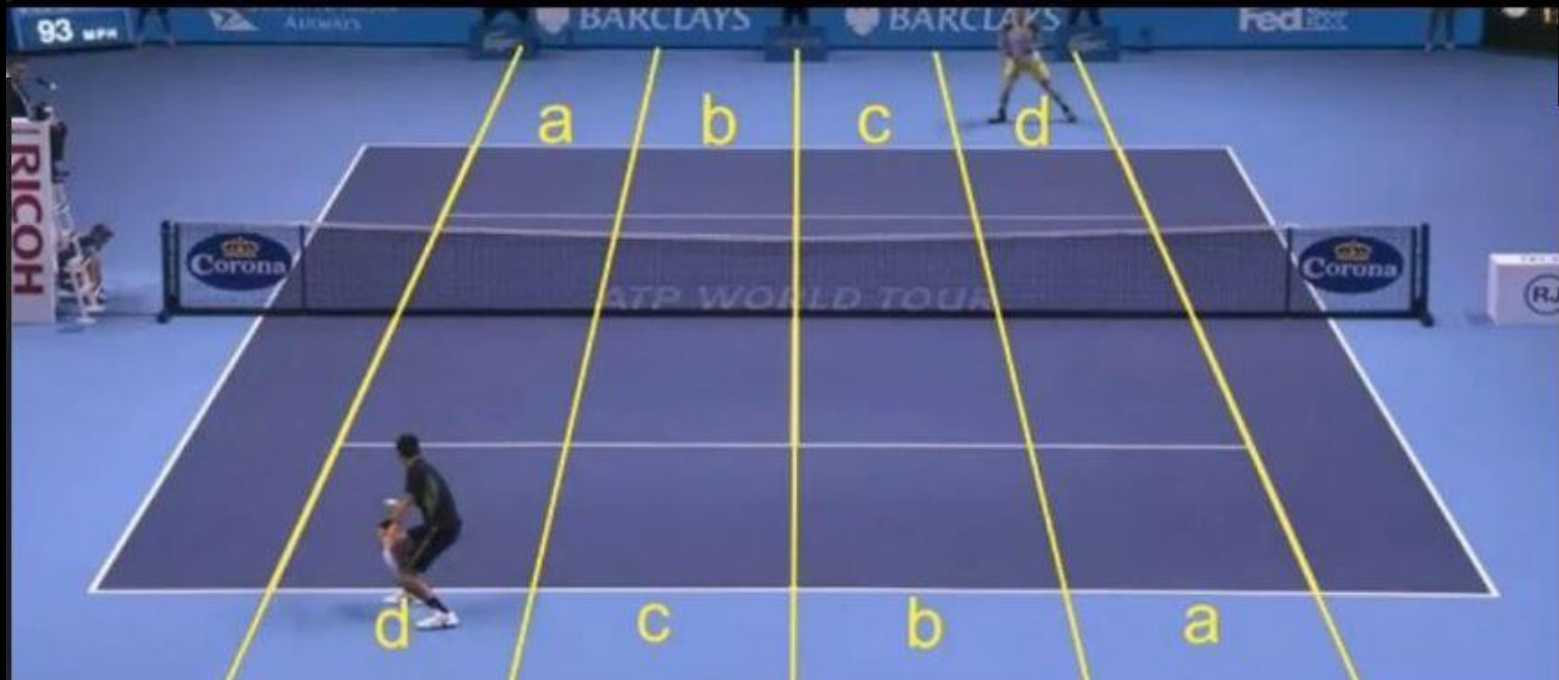
6-4, 6-3



Baseline Patterns

- tennis is a C to C sport





Men: Winners

2018 SLAM	FOREHANDS	BACKHANDS
Australia	70.3%	29.7%
Roland Garros	69.5%	30.5%
Wimbledon	66.8%	33.2%
US Open	67.9%	32.1%
AVERAGE	68.6%	31.4%

Women: Winners

2018 SLAM	FOREHANDS	BACKHANDS
Australia	63.1%	36.9%
Roland Garros	61.9%	38.1%
Wimbledon	61.3%	38.7%
US Open	63.7%	36.3%
AVERAGE	62.5%	37.5%

2018 ATP Finals

GROUNDSTROKE	AVERAGE SPEED
Forehands	75 mph
Backhands	67 mph
Difference	8 mph

2018 Australian Open

- 18 matches
- 293 forehand winners
- where are most FH winners hit from?

2018 Australian Open

STANDING IN	TOTAL	%
A	59	20%
B	61	21%
C	100	34%
D	73	25%
TOTALS	293	100%

Forehand Winners: Hit From

- Deuce Ct = 41%
- Ad Ct = 59%

Forehand Winner Direction

- Hit To A = 60%
- Hit To D = 40%



Backhands: 2018 Australian Open

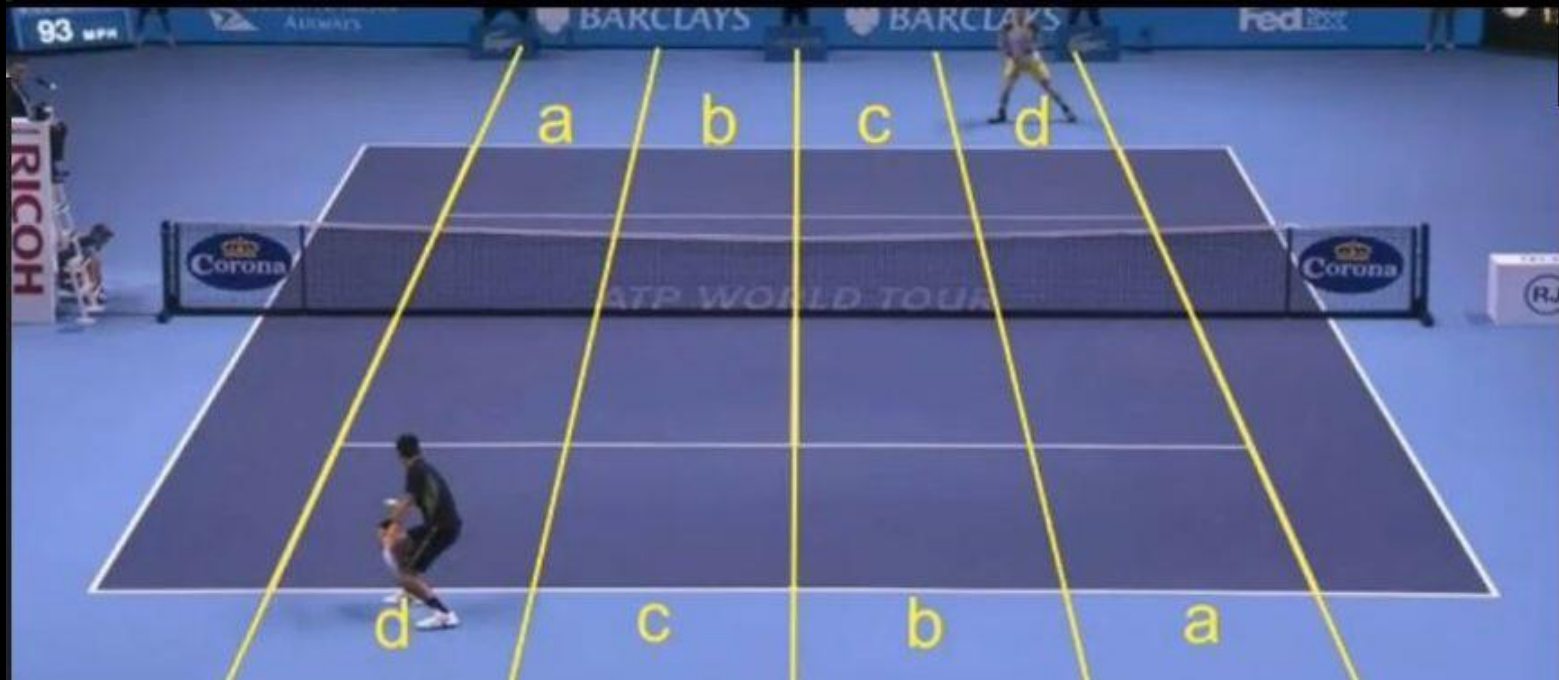
- 19 matches
- 178 backhand winners
- where are most BH winners hit from?

Backhand Winners

- Standing in **C** = 22%
- Standing in **D** = 78%

Backhands: 2018 Australian Open

- 19 matches
- 178 backhand winners
- where are most **BH** winners hit to?



Backhand Winners

- Hit to A = 74%
- Hit to D = 26%