RALLY VISION

IMPROVING PLAYER PERFORMANCE

British Junior Open 2024 – Boys U19

Mohamed Zakaria vs Jonah Bryant

Jan 2024

Overview

1. Rally Vision provides advanced analytics for squash matches
    a. Statistics not just on winners but every shot
    b. Ability to dissect shots by court zone and identify pattern of play

2. Additional detailed statistics available on request

Report Content

1. Match overview
2. Shot quality
3. Target zones
4. Shot speed
5. Bryant improvement areas
6. Recommendations

Match overview

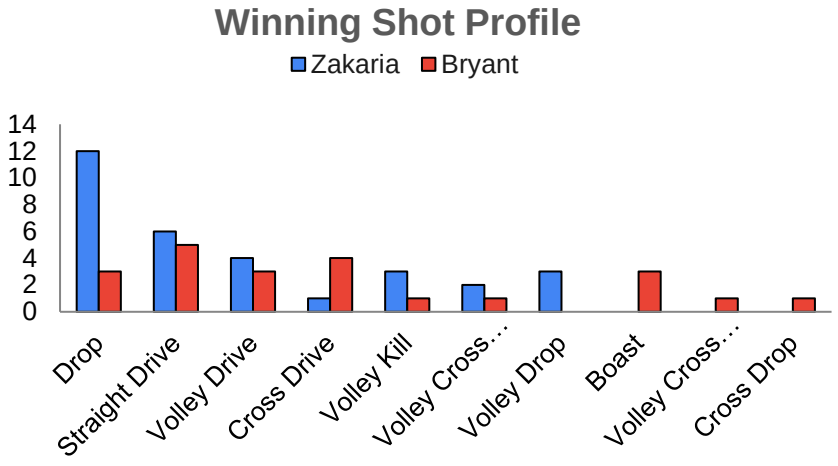
	1	2	3	4	5
Zakaria	**11**	**11**	9	**11**	
Bryant	9	9	**11**	7	

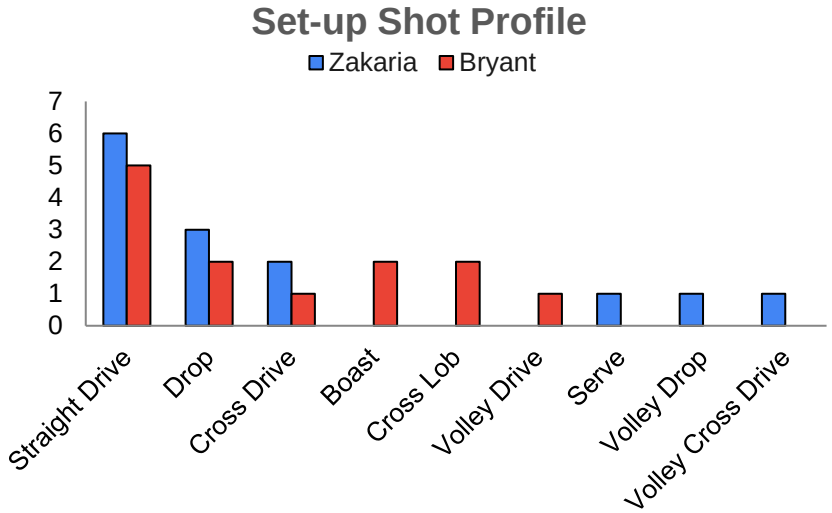
1. **Match time: 1hr 17 mins**
2. **Total points played: 91**
3. **Total shots hit: 1751**

Initial observation: An average of 19 shots per rally is longer than typical PSA matches. This document will deep dive into reasons for the same

Match	Shots	Point	Shots / Point
Zakaria vs Bryant	1751	91	19
Ashour vs Elshorbhagy	1690	99	17
Dessouky vs Rodriguez	1091	77	14
Elsherbini vs Gohar	768	69	11
Watanabe vs Hany	764	70	11

Zakaria was able to win 16 points in the front. Both players set up their winners with a variety of shots



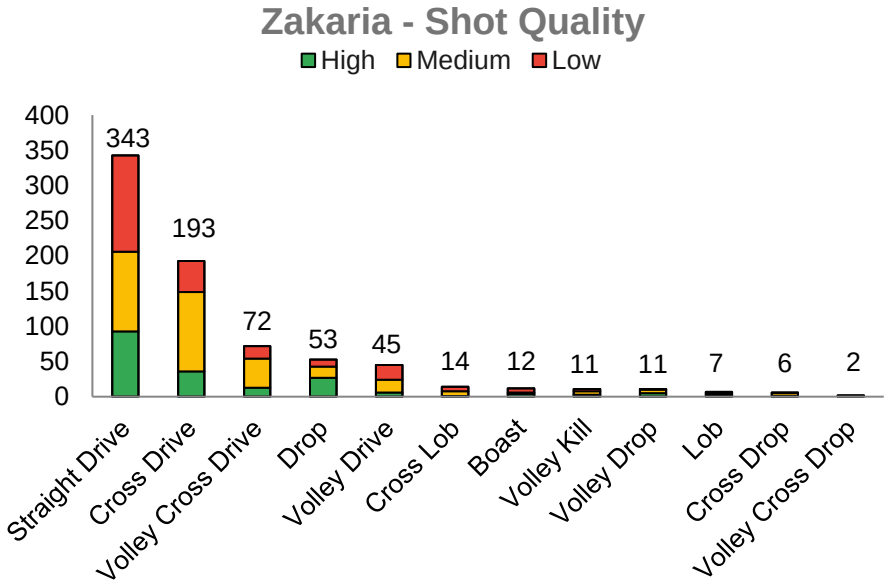


Rally length	Zakaria	Bryant
0-6	8	6
7-12	10	8
12+	24	22

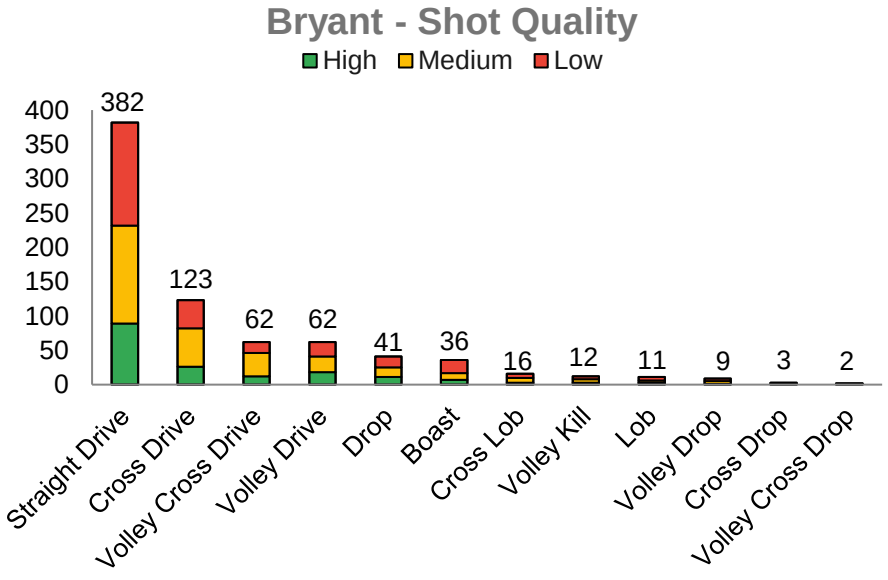
No difference in point winners by rally length. Zakaria achieved most winners from the drop, while both used a variety of shots to set up the winner

Shot Quality

Only 25% of shots were high quality which impacted ability to put pressure and finish points earlier



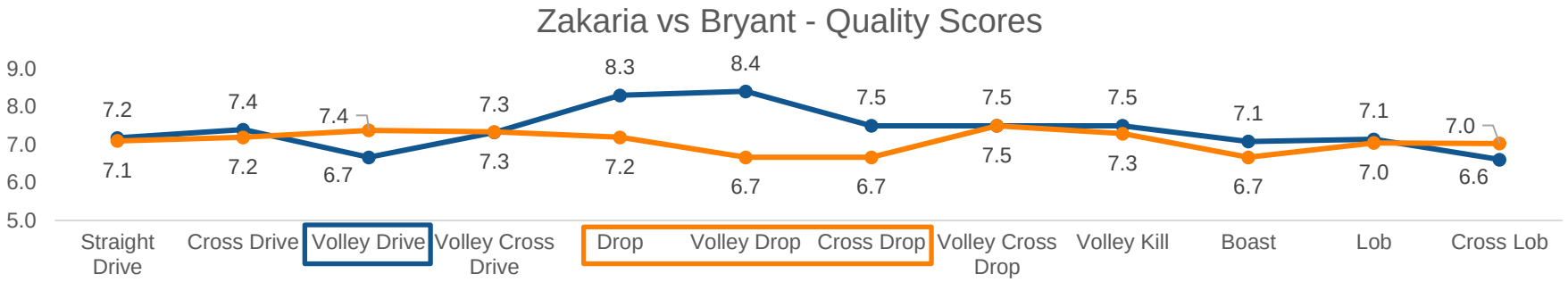
Total	25%	43%	33%
769			



Total	23%	39%	38%
759			

1. **Bryant hit 38% low quality shots compared to Zakaria's 33%**
2. **Zakaria attacked more effectively in the front (16% low quality shots) compared to Bryant (36%)**

Deeper dive indicates Zakaria to work on volley drives and Bryant to work on frontcourt shots



Zakaria - Shot Quality

Zakaria — Bryant

Shot	Total	% High	% Weak
Straight Drive	343	27%	40%
Cross Drive	193	19%	23%
Volley Cross Drive	72	18%	25%
Drop	53	51%	19%
Volley Drive	45	13%	47%
Cross Lob	14	7%	43%
Boast	12	33%	50%
Volley Kill	11	27%	27%
Volley Drop	11	45%	9%
Lob	7	29%	43%
Cross Drop	6	17%	17%
Volley Cross Drop	2	0%	0%
Total	769	25%	33%

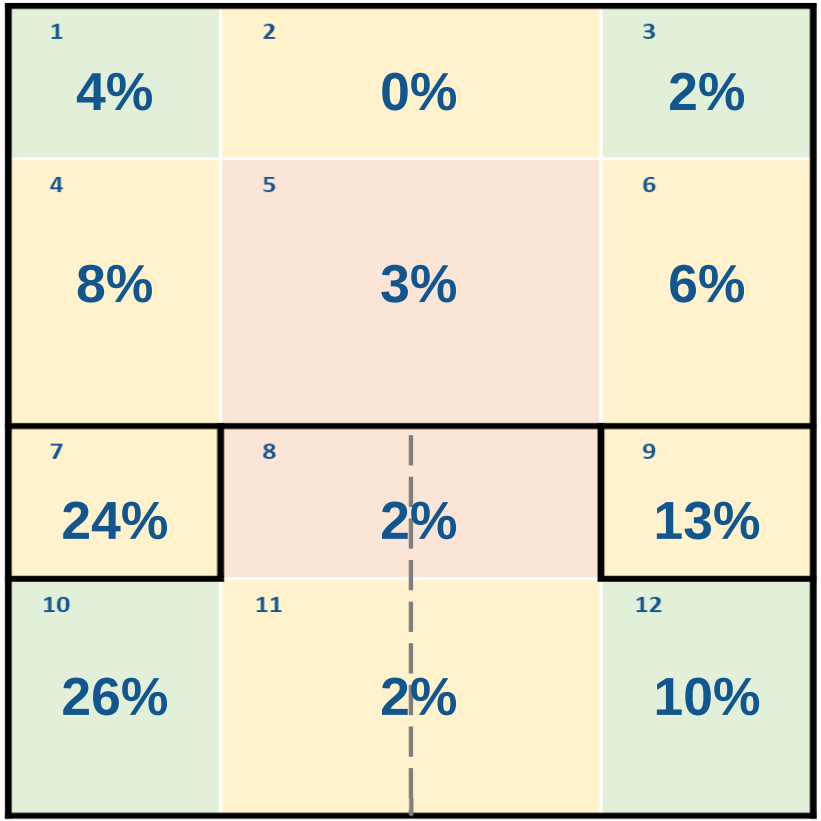
Bryant - Shot Quality

Shot	Total	% High	% Weak
Straight Drive	382	23%	39%
Cross Drive	123	21%	33%
Volley Cross Drive	62	19%	26%
Volley Drive	62	29%	34%
Drop	41	27%	39%
Boast	36	19%	53%
Cross Lob	16	19%	38%
Volley Kill	12	25%	33%
Lob	11	27%	45%
Volley Drop	9	11%	44%
Cross Drop	3	33%	67%
Volley Cross Drop	2	50%	50%
Total	759	23%	38%

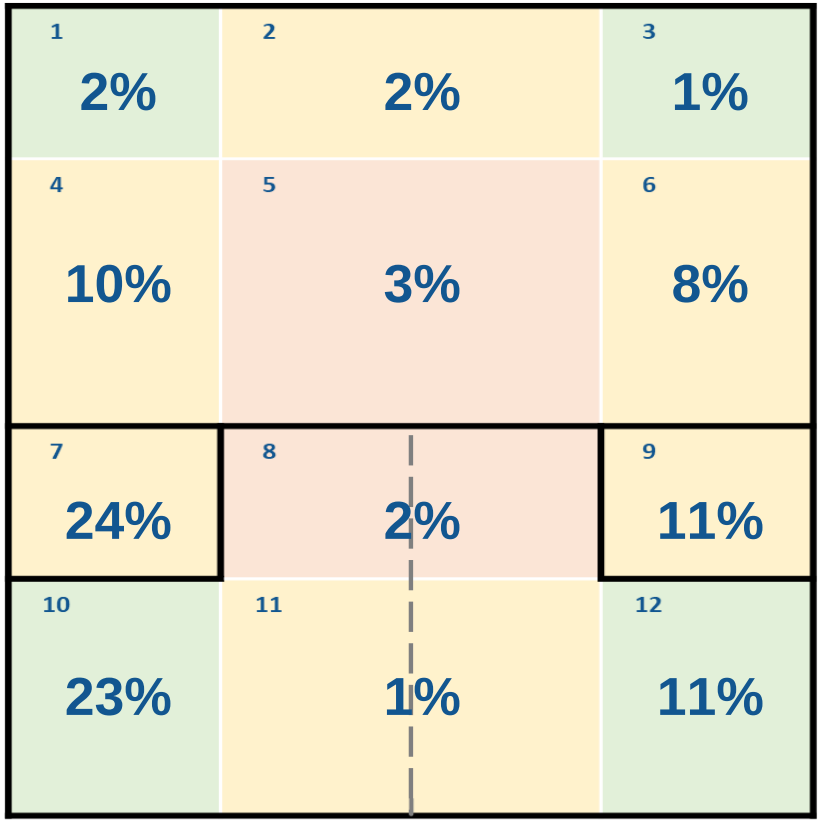
Target Zones

Target analysis indicates Bryant should hit deeper

Zakaria: 810 Shots



Bryant: 801 Shots

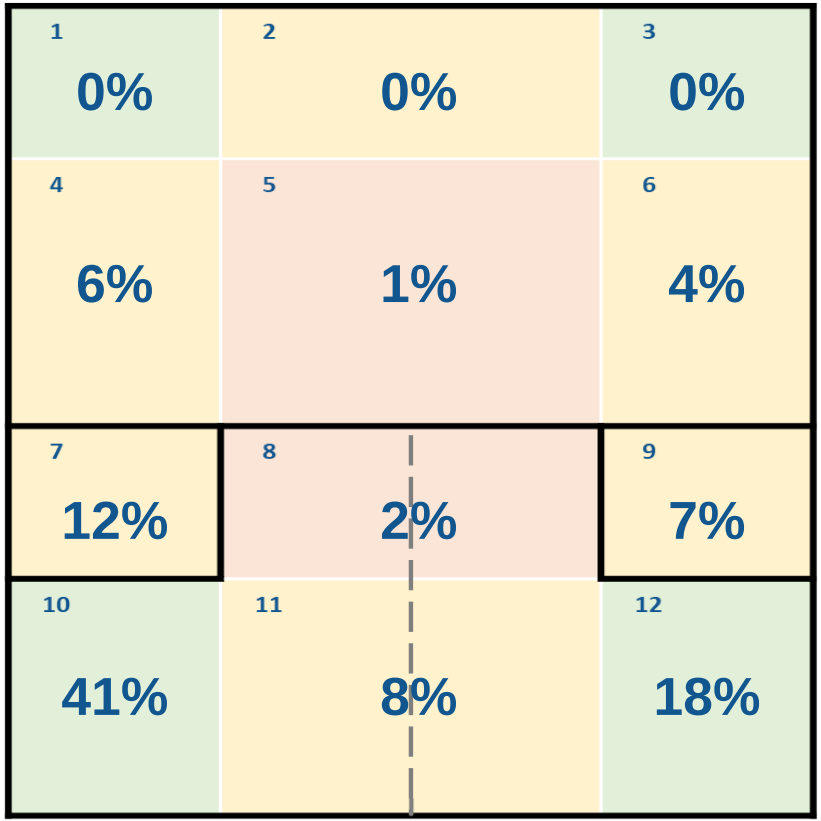


Zakaria hit the ball in the back court 77% (Zone 7-12) compared to Bryant at 72%

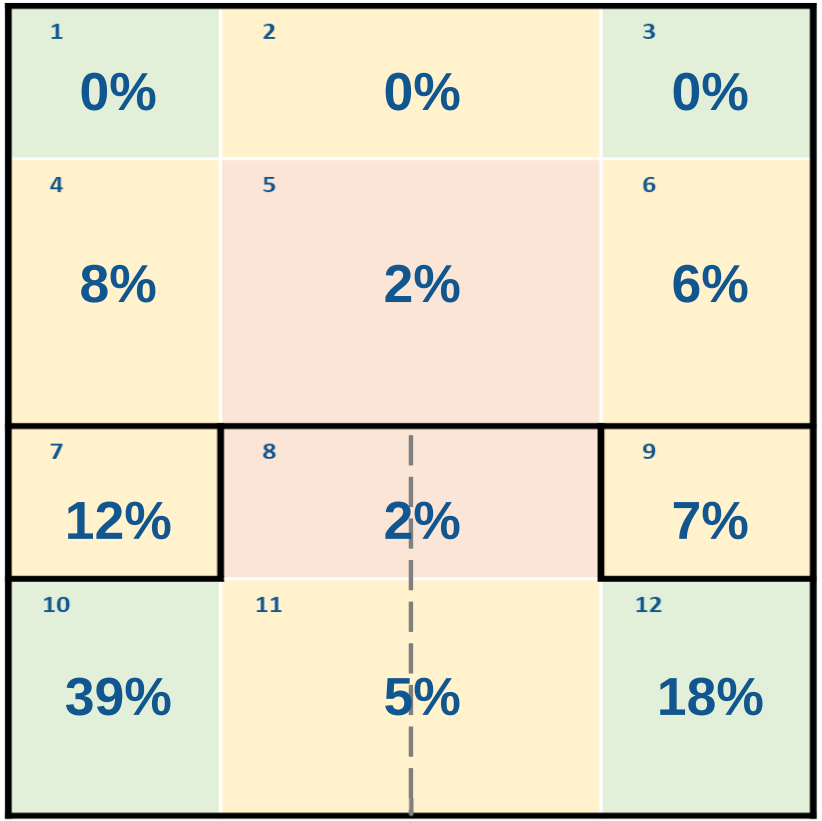
Bryant hit 4% more in Zones 4-6, which needs to be cut down

Bryant was pushed 5% more to zones 10-12

Zakaria: Pushing Bryant Back



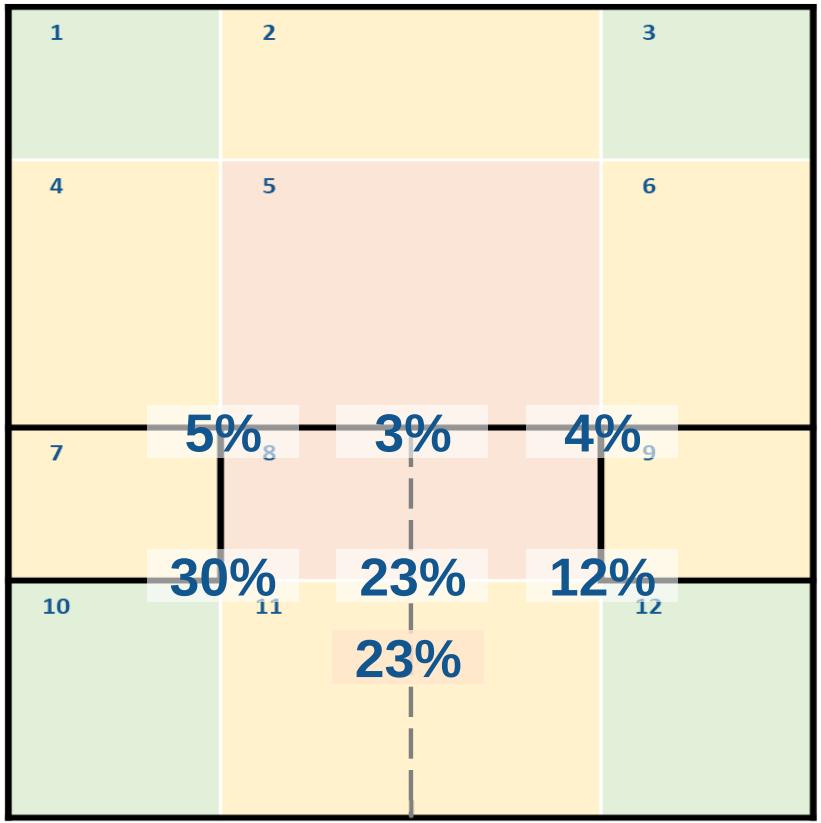
Bryant: Pushing Zakaria Back



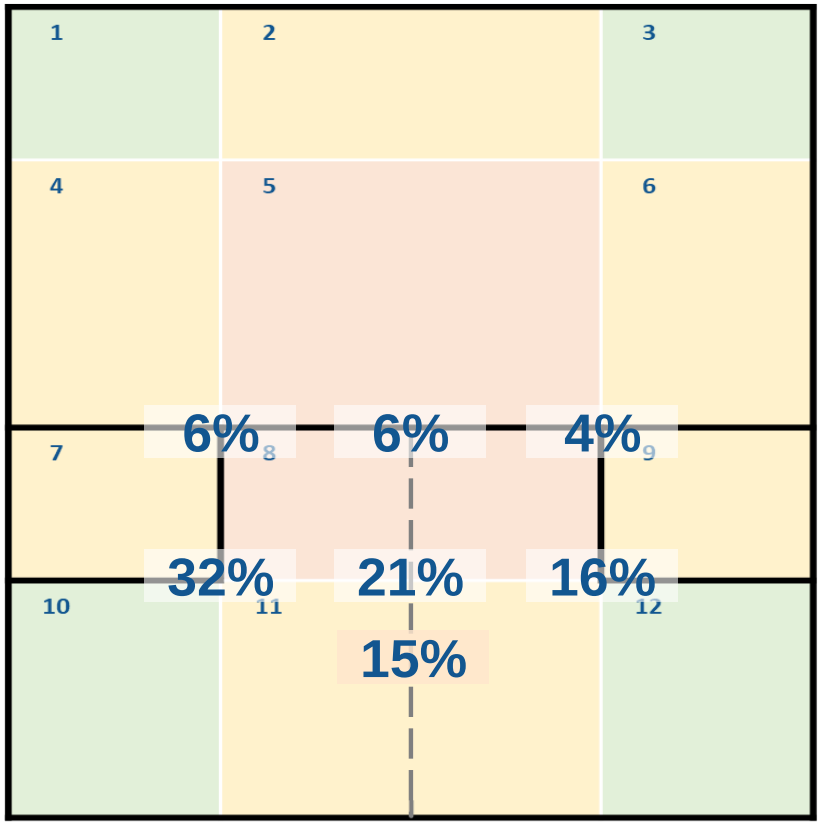
Zakaria pushed Bryant to zone 10-12, 67% of the time. In contrast Bryant pushed Zakaria back 62% of the time

Both players demonstrated good movement around the T, but can consider moving to a higher T position

Zakaria: Footwork



Bryant: Footwork



Shot Speed

Fitness was not a factor between the 2 players, but high shot speed led to lower shot quality

Set	1	2	3	4
Points	21	25	23	22
Shots / Rally	21.8	19.5	18.3	17.6
Zakaria Low Shots %	37%	30%	25%	24%
Bryant Low Shots %	37%	39%	29%	27%

Zakaria consistently held a quality differential across the sets. Minimal drop in shots per rally indicate fitness was not a factor

Zakaria: Shot Speed

	Speed		
Quality	Fast	Medium	Slow
High	5%	15%	4%
Medium	14%	25%	5%
Low	6%	21%	5%

Bryant: Shot Speed

	Speed		
Quality	Fast	Medium	Slow
High	5%	14%	3%
Medium	12%	25%	4%
Low	11%	20%	5%

Bryant's fast paced shots produced lower quality relative to Zakaria (11% vs 6%)

Deep dive into straight drives indicate Bryant should hit slower and focus on hitting targets

Bryant hit 12% shots in the 150-200kmph range, compared to Zakaria's 5%

Zakaria		Speed (kmph)		
		50-100	100-150	150-200
Quality	High	42	41	6
	Medium	40	63	3
	Low	58	56	6
		44%	51%	5%

Bryant		Speed (kmph)		
		50-100	100-150	150-200
Quality	High	27	48	7
	Medium	44	73	15
	Low	70	48	20
		40%	48%	**12%**

Quality	Speed 150-200
High	40%
Medium	20%
Low	40%

48% of the 150-200kmph shots were of low quality

Quality	Speed 150-200
High	17%
Medium	36%
Low	**48%**

Deep dive into drops indicate Bryant should hit slower and focus on hitting targets

Bryant hit 61% shots in the 50-100kmph range, compared to Zakaria's 36%

Zakaria		Speed (kmph)	
		0-50	50-100
Quality	High	16	11
	Medium	11	5
	Low	7	3
		64%	36%

Bryant		Speed (kmph)	
		0-50	50-100
Quality	High	4	7
	Medium	5	9
	Low	7	9
		39%	61%

Quality	Speed 50-100
High	58%
Medium	26%
Low	16%

36% of the fast drops were of low quality

Quality	Speed 50-100
High	28%
Medium	36%
Low	**36%**

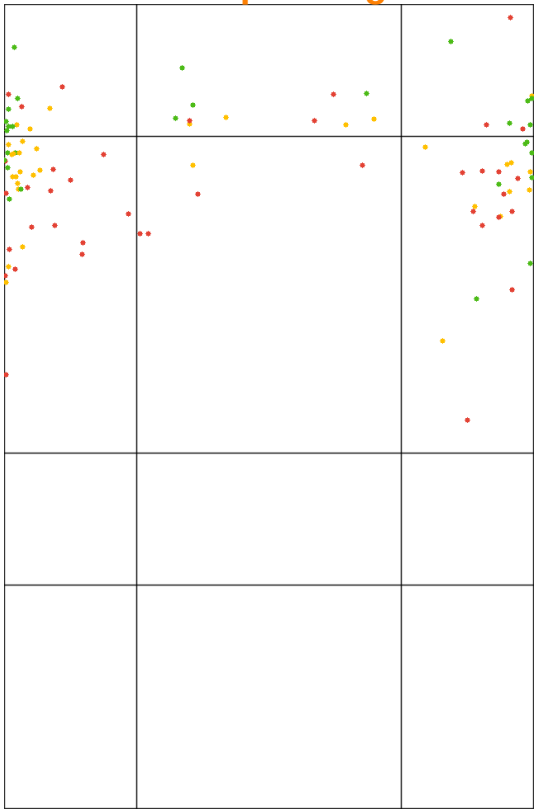
Bryant Improvement Areas

Bryant: Drop shots: Hit 23 shots from Zones 4-6 but was unable to hit high quality shots

Drops: Strike Zone

1	Shots	1	**2**	Shots	0	**3**	Shots	0
Quality	Count	%						
High	1	100%						
4	Shots	14	**5**	Shots	2	**6**	Shots	9
Quality	Count	%	Quality	Count	%	Quality	Count	%
High	3	21%				High	3	33%
Medium	6	43%	Medium	1	50%	Medium	2	22%
Low	**5**	**36%**	Low	1	50%	**Low**	**4**	**44%**
7	Shots	4	**8**	Shots	3	**9**	Shots	3
Quality	Count	%	Quality	Count	%	Quality	Count	%
			High	1	33%			
Medium	2	50%	Medium	1	33%	Medium	2	67%
Low	2	50%	Low	1	33%	Low	1	33%
10	Shots	4	**11**	Shots	1	**12**	Shots	0
Quality	Count	%	Quality	Count	%			
High	3	75%						
Low	1	25%	Low	1	100%			

Boast & Drops: Target Area



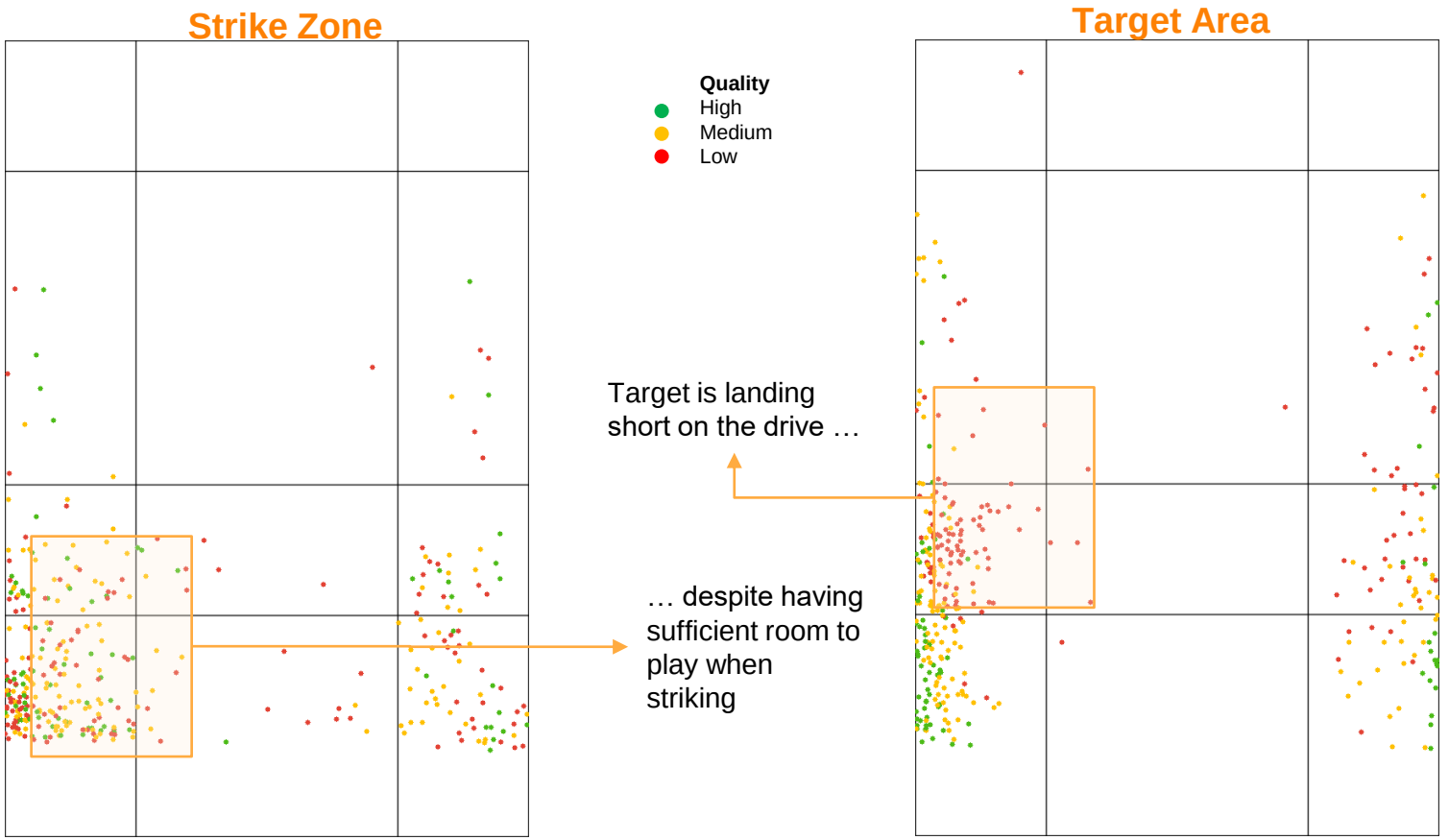
Bryant: Straight drive

1	Shots	0	2	Shots	0	3	Shots	0
4	Shots	9	**5**	Shots	1	**6**	Shots	8
Quality	Count	%	Quality	Count	%	Quality	Count	%
High	5	56%				High	2	25%
Medium	2	22%				Medium	1	13%
Low	2	22%	Low	1	100%	Low	5	63%
7	Shots	20	**8**	Shots	4	**9**	Shots	12
Quality	Count	%	Quality	Count	%	Quality	Count	%
High	5	25%	High	2	50%	High	5	42%
Medium	8	40%				Medium	5	42%
Low	7	35%	Low	2	50%	Low	2	17%
10	Shots	223	**11**	Shots	42	**12**	Shots	60
Quality	Count	%	Quality	Count	%	Quality	Count	%
High	52	23%	High	6	14%	High	11	18%
Medium	84	38%	Medium	16	38%	Medium	25	42%
Low	**87**	**39%**	**Low**	**20**	**48%**	**Low**	**24**	**40%**

Out of 131 low quality straight drives from zones 10-12, 55 were in response to a high quality shot by Zakaria

Remaining 76 shots were of medium or low quality shots. This is an area of improvement

Bryant: Straight drive heat maps indicate high scope for improvement in shot quality



Bryant's shot quality dipped significantly when responding to a Zakaria cross

Bryant Shot		Zakaria Response		
Shot type	#	High	Medium	Low
Straight	530	26%	43%	31%
Cross	258	22%	39%	38%

4% decline in high quality shots from Zakaria when responding to a Bryant cross

Zakaria Shot		Bryant Response		
Shot type	#	High	Medium	Low
Straight	463	28%	37%	35%
Cross	315	**16%**	40%	44%

12% decline in high quality shots from Bryant when responding to a Zakaria cross. High impact as Zakaria hit 20% more crosses

Way forward for Jonah Bryant

SNo	Observations	Root cause	Method to fix	Benchmark
1	***Strengthen drops, volley drops to apply pressure in the front***			
	- 36% of shots to the front were low quality - 65% of the shots were attempted on low / medium for Zakaria	- Mental pressure? (to be determined based on discussion)	https://tv.squashskills.com/programs/collection-l_nokqn2l00 https://tv.squashskills.com/programs/collection-ubgc6nix0yi	% High quality drops
2	***Improve quality of straight drives - even if reducing pace***			
	- 40% of straight drives were low quality shots (loose or short length) - Drives from Zone 10 and 12 requires improvement	- Higher focus on pace to ensure no possibility to volley?	https://tv.squashskills.com/programs/collection-yqu_mdi-k84	% High quality drives to move to 40%
3	**Improve response to cross court shots**			
	- 12% decline in high quality shots	- T position / inability to read the cross?	https://tv.squashskills.com/programs/collection-dt8eh3ihpti	% High quality drives of crosses

Thank you