will be playing the corners with 4S & SL/Sweeper.

#### Notes

Facing RHH, Cease mainly uses the 4S and Slider working in the KC & Sweeper. His Sliders produce a whiff 43% of the time on a swing and is the chase pitch. When he gets a chase on the SL, it has a 65% whiff rate, tough to get a hit off a chased SL. 4S is very hittable inside the zone, RHH get a hard hit 50% of the time. Would watch for a 4S that comes into the zone to capitalize. Typically starts off RHH with a 4S/SL but with Altuve would expect him to start with a breaking ball or at least go to the breaking early in the count. 2 Strikes definetly expect a SL, that is not in the zone (0-2 SL Zone Rate = 15%, 1-2 SL Zone Rate = 31%, 2-2 SL Zone Rate = 35%). First pitch Sliders are throw on the outside edge of plate but he has been known to thrown them high and in the zone, first pitch SL has a .401 xwOBA. Utilizes back to back SL often and gets a chase 40% of the time on the 2nd SL. If Cease gets behind early, would expect a high percent of in-zone fastballs. 4S tends to live up early but then drops down and away as the count goes on or if he is behind. Slider is consistently low and away, but if he gets behind and throws a SL expect it to catch the outside corner. Has a pretty decent chance of leaving a breaking ball hanging over the plate as he the PA starts to increase. Would expect Cease to either start with an in-zone breaking ball which can be trouble for him, as Altuve often swings first pitch. Or starts with a high fastball then works the outside edge with breaking balls for the rest of the PA.

Facing RHP, Altuve has high chase rates specifically on the off speed Cease throws. Pitches within the zone, Altuve does not typically miss, but when he chases a SL he has a 44% chase rate. Attacking Altuve with off speed outside the zone will lead to swings. Chased SL only have a 4% hard-hit rate, while 4S will likely result in a hard-hit both in and out of the zone. 4S out of the zone still have xwOBA of .416, even chased gets off good swings vs 4S. Altuve does swing at pitches early, so would be cautious at throwning in a 4S to try and steal a strike (75% Z–Swing Rate on first pitch 4S, 70% Z-Swing Rate on first pitch SL). Also, does not chase at the start but will chase breaking balls early in the count. Back to Back breaking balls elicit a chase 50% of the time. If pitcher gets behind, typically will not chase the breaking ball. Will swing at the high fastball but does not get much hard hits if placed up and in on him. Cannot leave the Slider in the zone against Altuve, damage zone is right where Cease places his SL when he is behind. Overall, would throw 4S up and in on Altuve then back with low and away SL. Anything in-zone early can have damage done, otherwise Cease

	Dylan Cease vs RHH										
Pitch	Usage	Zone %	Z-Swing %	Heart %	H-Swing %	O-Zone %	Chase %	Whiff %	Z–Whiff %	H–Whiff %	O-Whiff %
4-Seam	40%	55%	72%	29%	80%	45%	28%	25%	20%	18%	42%
Kn.Curve	6%	42%	53%	21%	56%	58%	31%	38%	21%	10%	60%
Slider	47%	42%	71%	17%	75%	58%	36%	43%	27%	16%	65%
Sweeper	7%	31%	56%	16%	44%	69%	23%	35%	22%	29%	50%
ALL	51%	46%	70%	22%	75%	54%	32%	35%	23%	17%	57%

	Jose Altuve vs RHP										
Pitch	Usage	Zone %	Z–Swing %	Heart %	H-Swing %	O-Zone %	Chase %	Whiff %	Z-Whiff %	H–Whiff %	O-Whiff %
4-Seam	21%	49%	62%	32%	76%	51%	37%	14%	7%	8%	26%
Kn.Curve	1%	44%	50%	28%	40%	56%	60%	20%	0%	0%	33%
Slider	21%	42%	73%	23%	70%	58%	40%	27%	13%	12%	44%
Sweeper	7%	31%	66%	19%	70%	69%	51%	28%	4%	0%	42%
ALL	75%	46%	67%	26%	73%	54%	38%	21%	11%	11%	35%

	Dylan Cease vs RHH											
Pitch	Strike %	Ball %	O-Strike %	BIP %	Z-BIP %	O-BIP %	Hard-Hit %	Z-H-Hit %	O-H-Hit %	Heart-H-Hit %		
4-Seam	67%	33%	67%	24%	27%	14%	51%	48%	70%	47%		
Kn.Curve	61%	39%	61%	38%	47%	27%	31%	33%	25%	50%		
Slider	64%	36%	64%	30%	39%	17%	29%	36%	8%	52%		
Sweeper	50%	50%	50%	32%	44%	19%	36%	38%	33%	33%		
ALL	64%	36%	64%	28%	34%	17%	38%	40%	26%	49%		

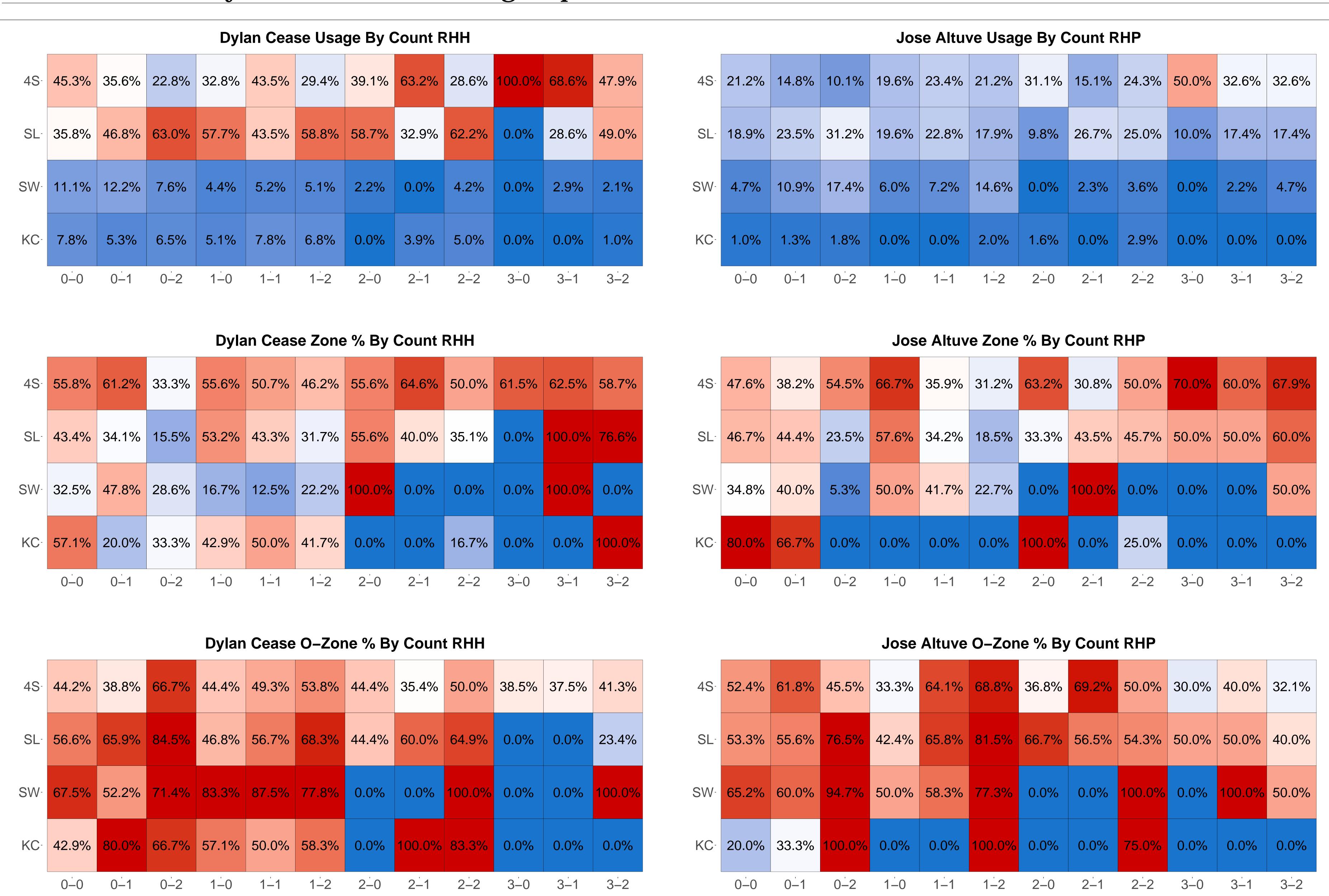
	Jose Altuve RHP										
Pitch	Strike %	Ball %	O-Strike %	BIP %	Z-BIP %	O-BIP %	Hard-Hit %	Z-H-Hit %	O-H-Hit %	Heart-H-Hit %	
4-Seam	68%	32%	68%	43%	50%	31%	41%	43%	36%	46%	
Kn.Curve	72%	28%	72%	40%	25%	50%	0%	0%	0%		
Slider	67%	33%	67%	39%	48%	27%	26%	35%	4%	42%	
Sweeper	65%	35%	65%	46%	72%	30%	35%	50%	15%	55%	
ALL	66%	34%	66%	41%	49%	29%	28%	33%	17%	38%	

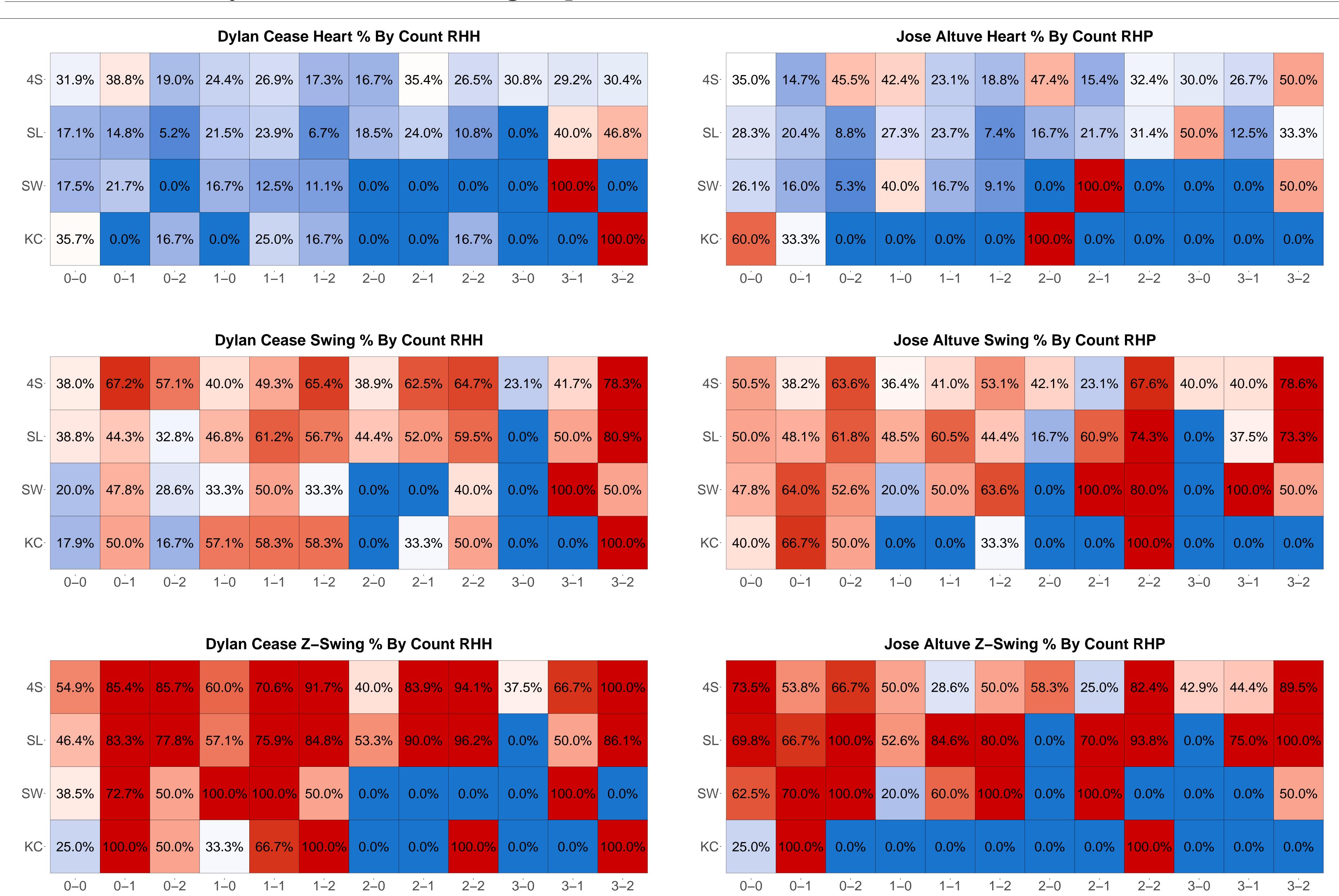
	Dylan Cease vs RHH										
Pitch	wOBA	xwOBA	xBA	BABIP	ISO	Z-wOBA	Z-xwOBA	Z-xBA	Z-BABIP	Z-ISO	
4-Seam	.354	.369	.365	.151	.108	.330	.325	.357	.220	.132	
Kn.Curve	.398	.391	.488	.300	.200	.364	.577	.510	.182	.273	
Slider	.204	.205	.294	.144	.091	.262	.250	.319	.190	.140	
Sweeper	.250	.270	.280	.200	.067	.180	.273	.307	.200	.000	

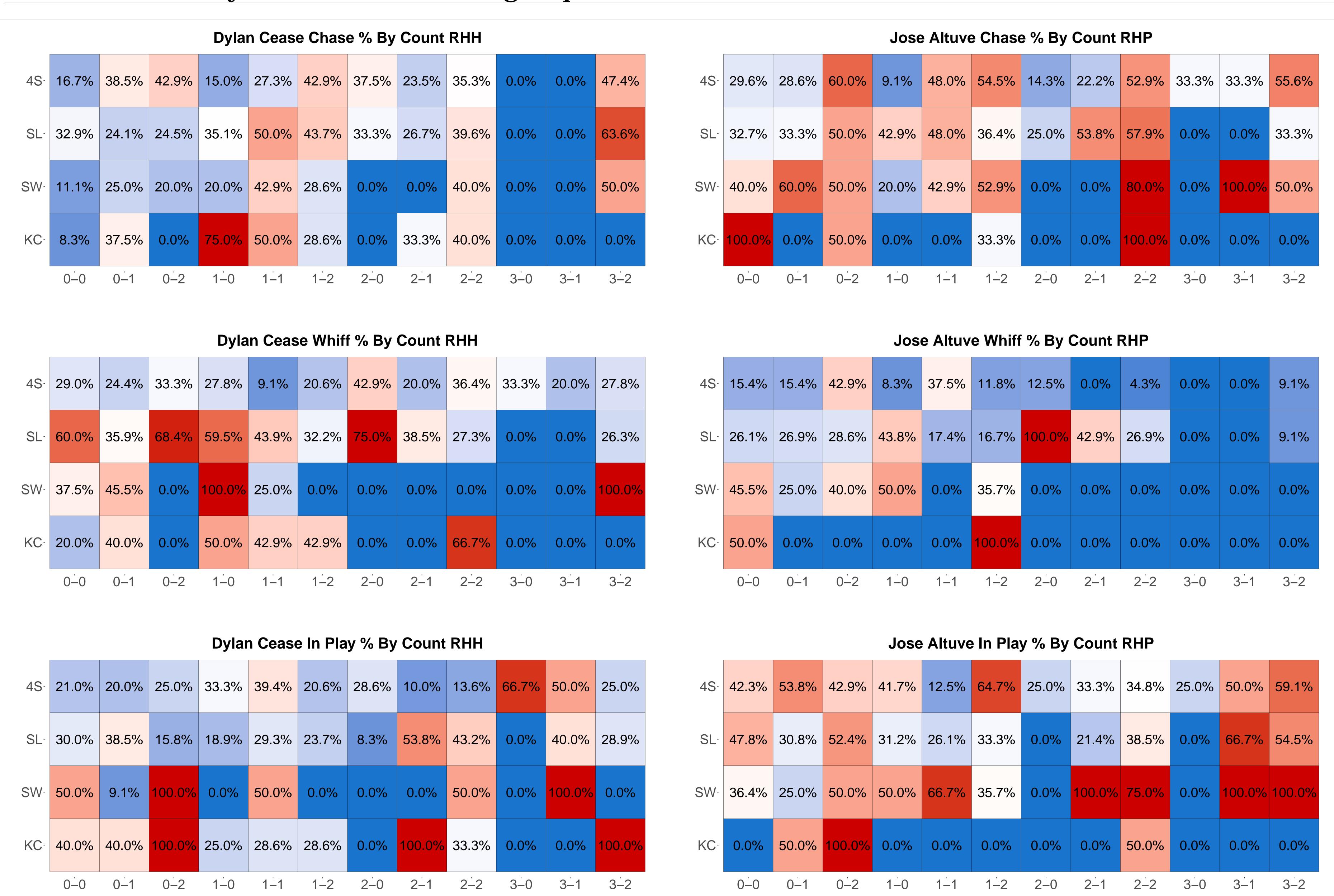
	Jose Altuve vs RHP										
Pitch	wOBA	xwOBA	xBA	BABIP	ISO	Z-wOBA	Z-xwOBA	Z-xBA	Z-BABIP	Z-ISO	
4-Seam	.385	.360	.332	.194	.231	.331	.329	.332	.171	.271	
Kn.Curve	.180	.400	.533	.200	.000	.900	.158	.151	1.000	.000	
Slider	.343	.311	.305	.219	.143	.399	.340	.318	.283	.233	
Sweeper	.351	.279	.328	.238	.214	.522	.344	.322	.300	.450	

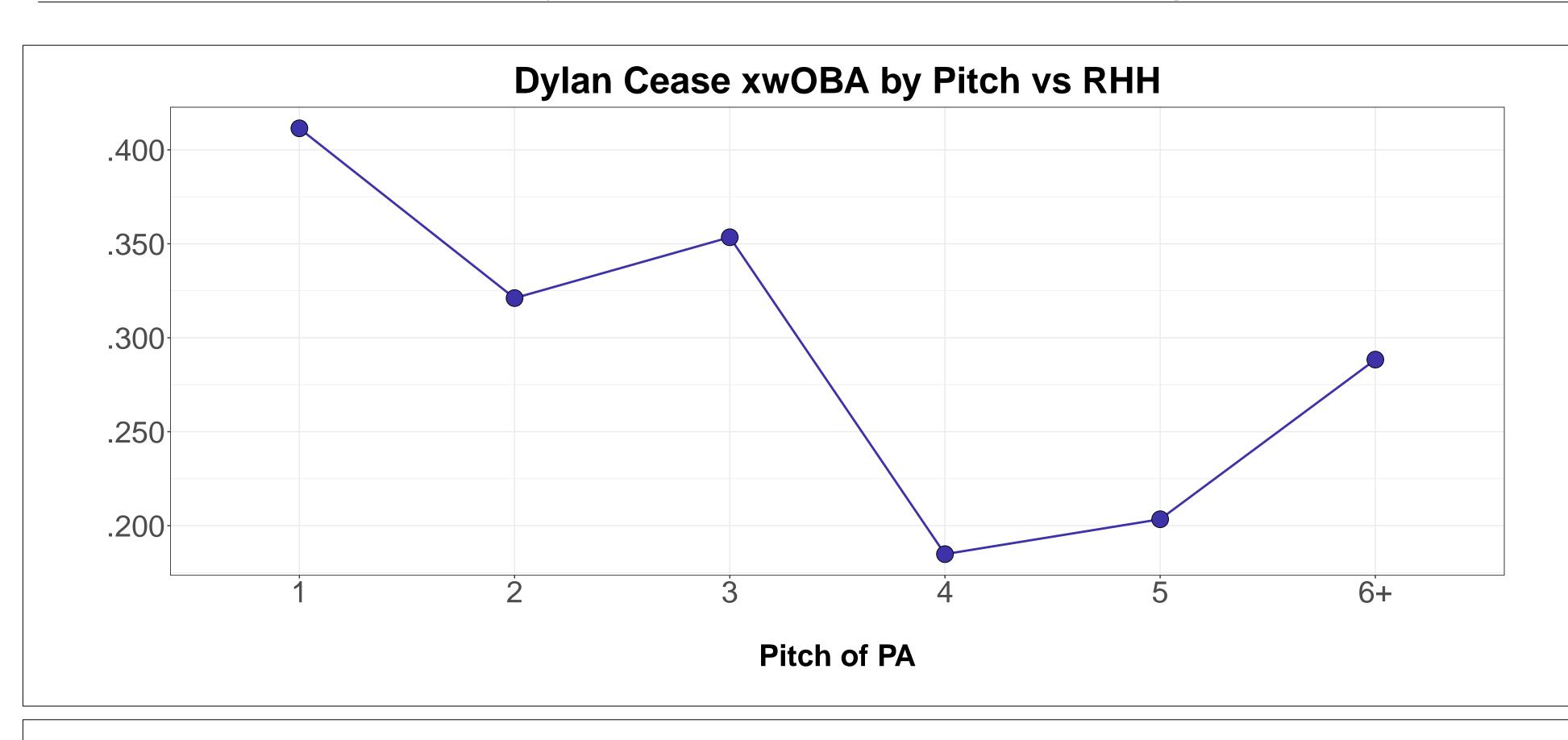
	Dylan Cease vs RHH										
Pitch	O-wOBA	O-xwOBA	O-xBA	O-BABIP	O-ISO	H-wOBA	H-xwOBA	H-xBA	H-BABIP	H-ISO	
4-Seam	.400	.453	.419	.021	.062	.367	.390	.369	.250	.154	
Kn.Curve	.439	.185	.439	.444	.111	.443	.716	.503	.143	.429	
Slider	.097	.125	.213	.061	.000	.277	.316	.341	.192	.192	
Sweeper	.390	.264	.208	.200	.200	.000	.198	.282	.000	.000	

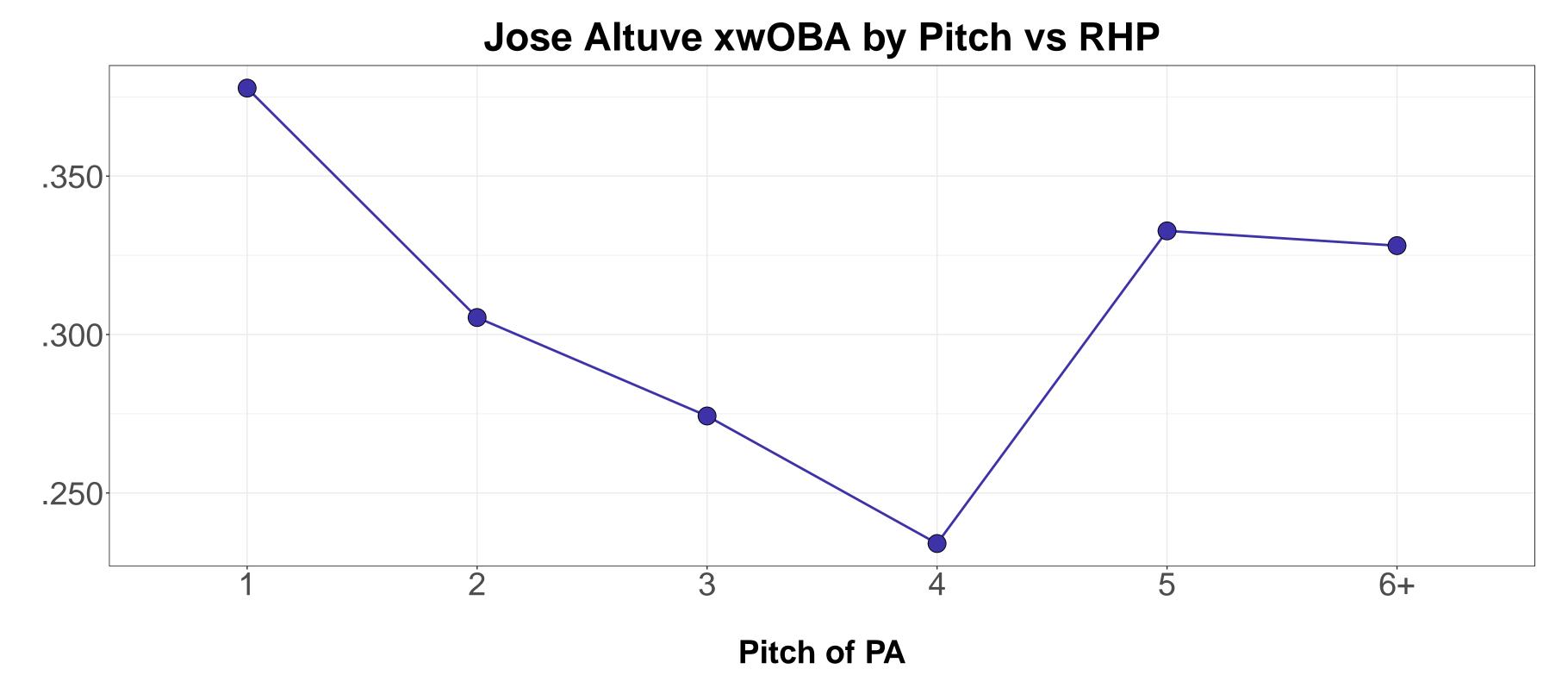
	Jose Altuve vs RHP										
Pitch	O-wOBA	O-xwOBA	O-xBA	O-BABIP	O-ISO	H-wOBA	H-xwOBA	H-xBA	H-BABIP	H-ISO	
4-Seam	.484	.416	.331	.237	.158	.369	.372	.328	.151	.358	
Kn.Curve	.000	.461	.660	.000	.000	_	_	_	-	_	
Slider	.268	.273	.276	.133	.022	.450	.409	.356	.324	.294	
Sweeper	.195	.221	.336	.182	.000	.617	.370	.316	.250	.667	







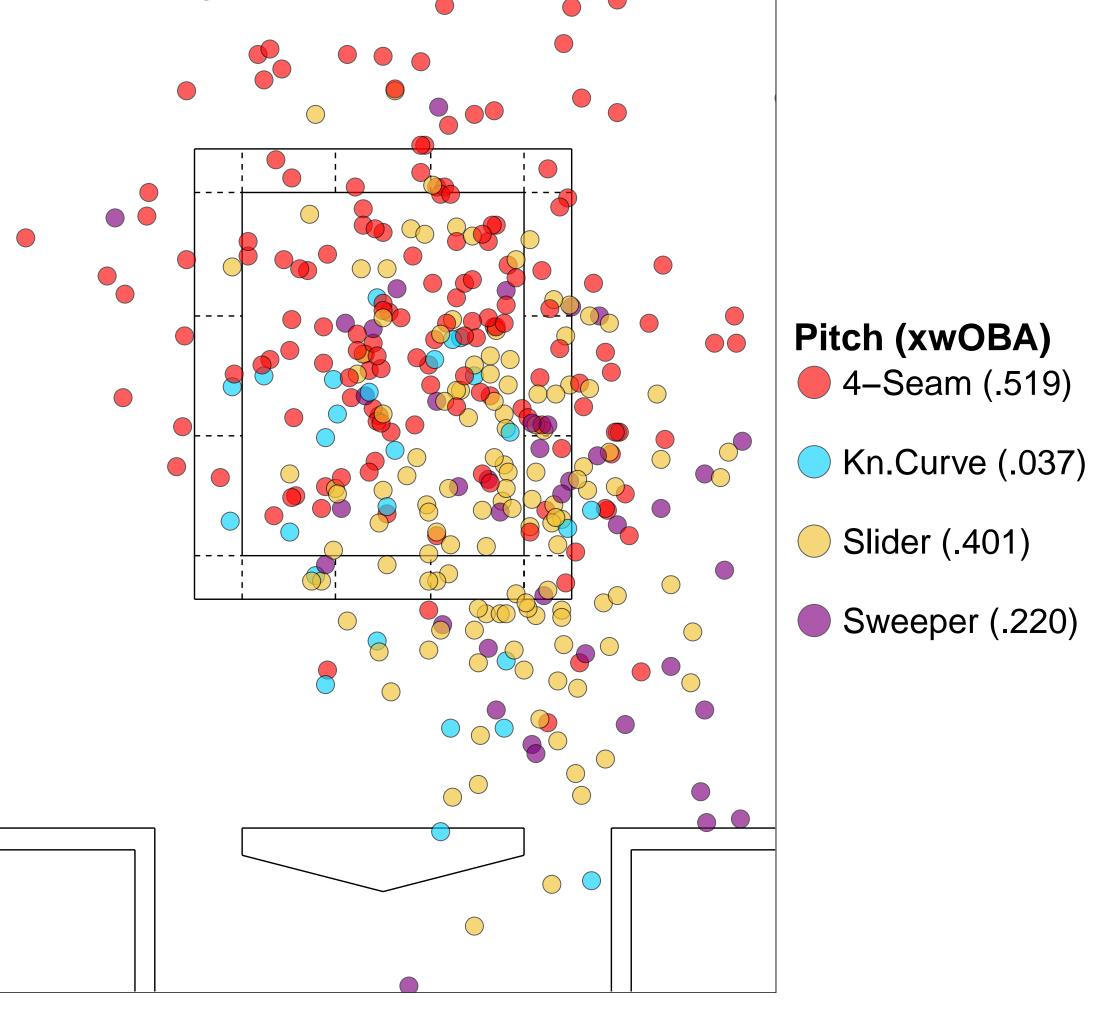




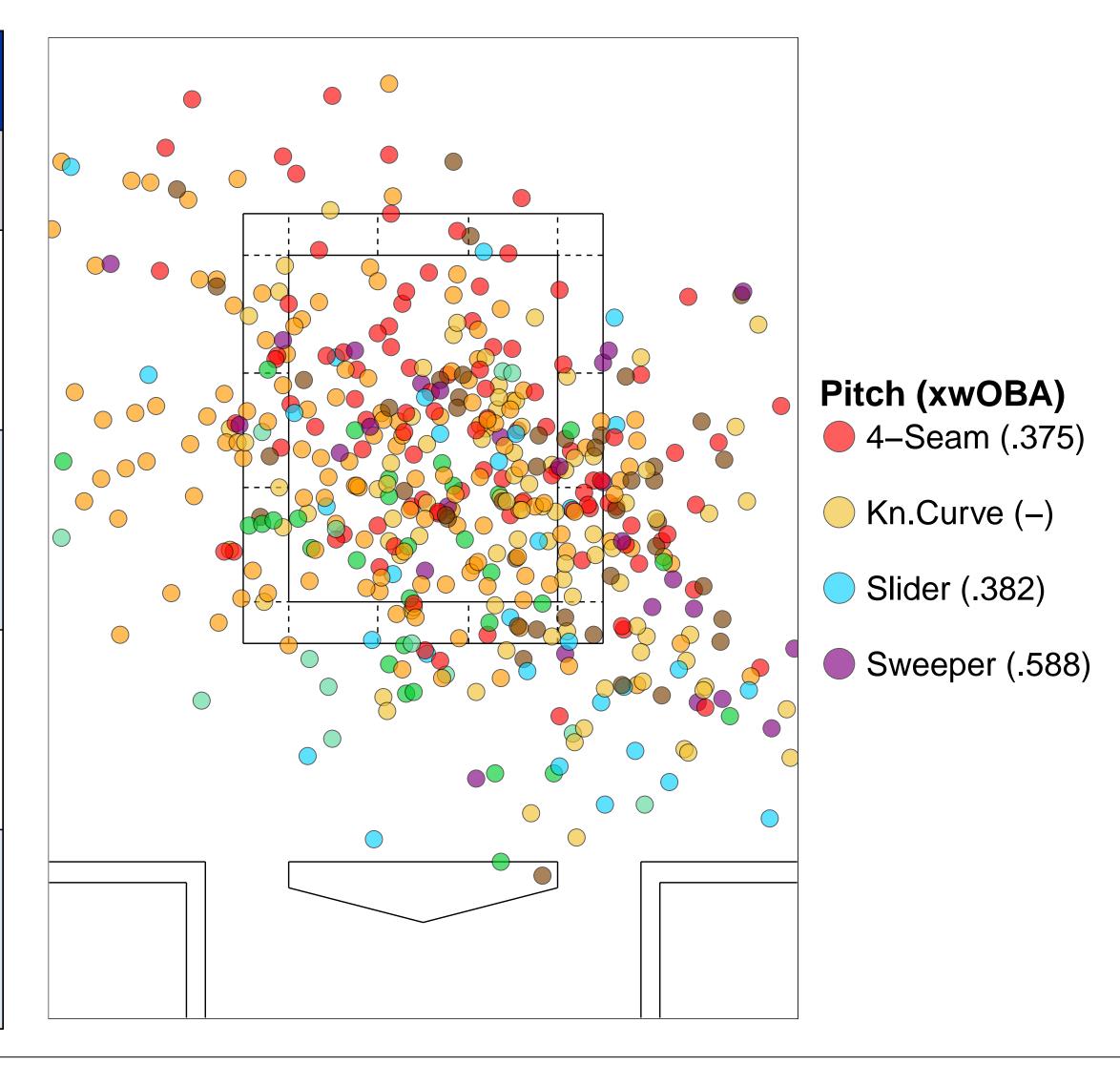
	Dylan Cease 1st-Pitch Usage vs RHH								
Most	After	After	After Field Out	After	Men in				
Frequent	Strikeout	Walk		Hit	Scoring				
4-Seam	4-Seam	Slider	4-Seam	4–Seam	Slider				
(45.3%)	(42.9%)	(52.9%)	(46.7%)	(48.6%)	(55.6%)				

Jose Altuve 1st-Pitch Swing % vs RHP									
1st Time Seeing	2nd Time Seeing	3rd Time Seeing	After Strikeout	After Hit	Men in Scoring				
44%	48%	54%	44%	45%	42%				

Dy	Dylan Cease vs RHH										
Pitch	Zone	Heart	Swing	BIP							
4S	56%	32%	38%	21%							
SL	43%	17%	39%	30%							
KC	57%	36%	18%	40%							
SW	32%	18%	20%	50%							



Jo	Jose Altuve vs RHP									
Pitch	Zone	Heart	Swing	BIP						
4S	48%	35%	50%	42%						
SL	47%	28%	50%	48%						
SW	35%	26%	48%	36%						
KC	80%	60%	40%	0%						



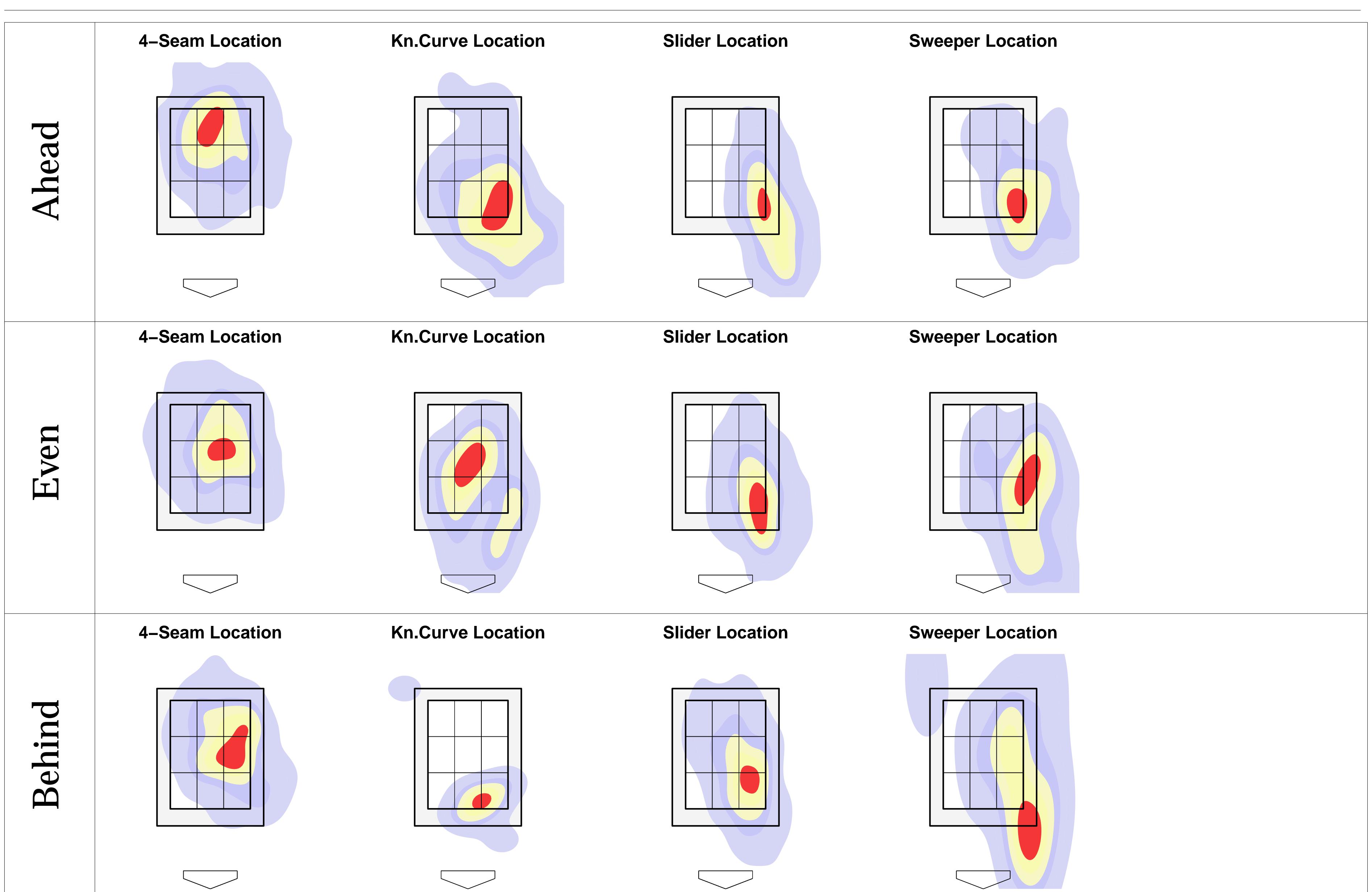
Dylan Cease Two Pitch Sequences vs RHH								
Sequence	Usage	Swing %	Whiff %	Chase %	Zone %			
SL-SL	24.2%	51.8%	42.4%	37.1%	42.4%			
4S-4S	18.3%	56.8%	22.4%	29.6%	58.3%			
SL-4S	17.8%	51.8%	23.8%	24.5%	56.2%			
4S-SL	16.6%	43.4%	37.3%	27.7%	41.7%			
SW-SL	4.2%	69.5%	51.2%	58.6%	50.8%			

Jose Altuve Two Pitch Sequences vs RHP								
Sequence	Usage	Usage Swing % Whiff %		Chase %	BIP %			
FAST-FAST	29.2%	50.4%	17.7%	32.3%	46.2%			
FAST-BRK	17.6%	51.8%	26.1%	43.8%	41.7%			
BRK-BRK	17.1%	61.1%	27.3%	51.9%	38.6%			
BRK-FAST	13.7%	47.4%	8.5%	23.1%	42.7%			
OFF-FAST	6.7%	47.1%	10.0%	28.6%	50.0%			

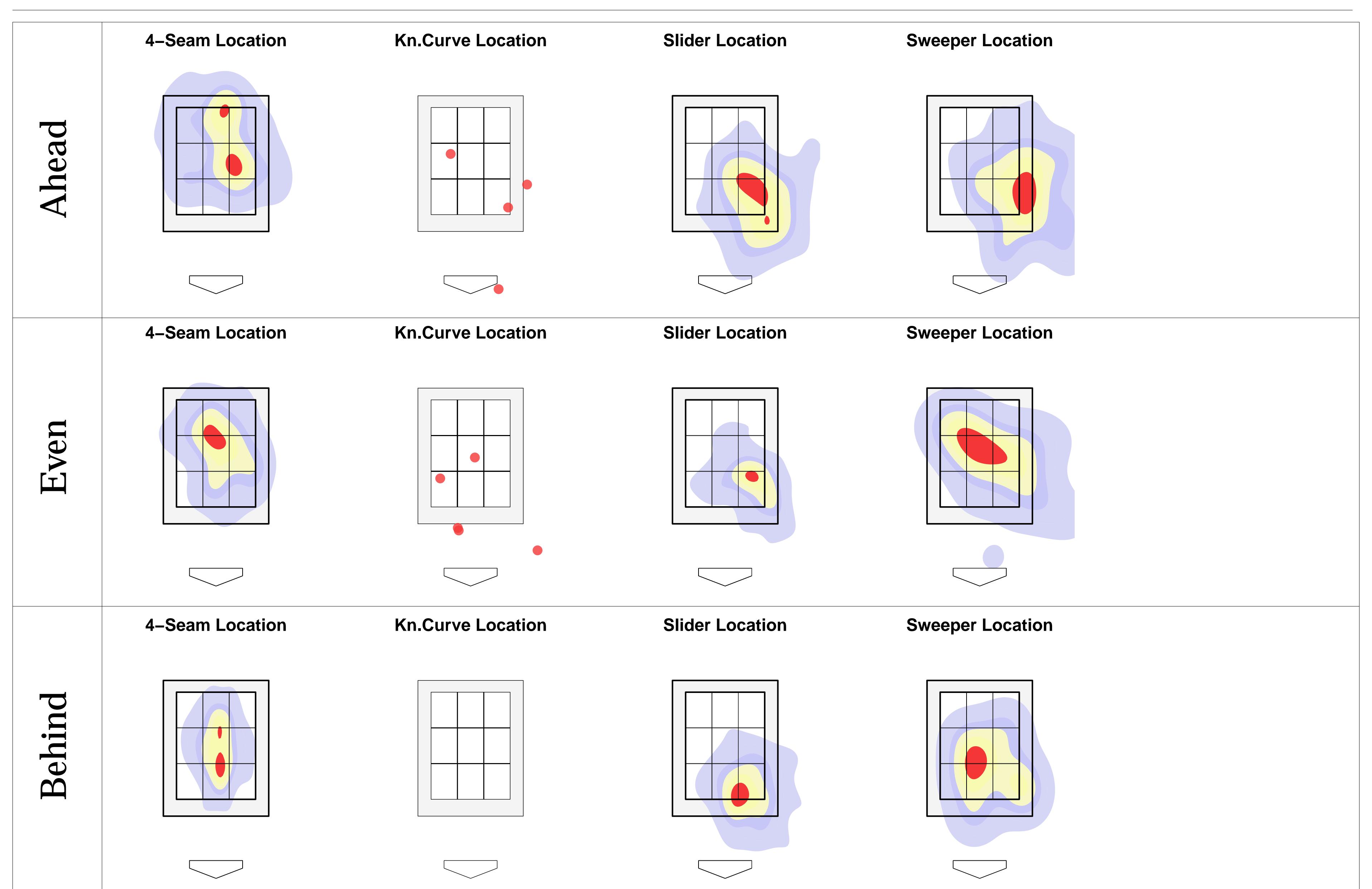
Dylan Cease Situational Results vs RHH								
Pitch	Situation	Usage	Zone %	Heart %	Chase %	Whiff %	BIP %	wOBA
4-Seam	Ahead	31%	51%	28%	41%	24%	21%	.123
	Even	42%	54%	30%	22%	25%	25%	.439
	Behind	48%	60%	29%	24%	26%	26%	.428
Kn.Curve	Ahead	6%	32%	11%	26%	38%	38%	.422
	Even	7%	50%	30%	26%	40%	33%	.138
	Behind	3%	36%	9%	57%	33%	50%	1.017
Slider	Ahead	55%	29%	9%	32%	39%	27%	.083
	Even	43%	41%	17%	39%	44%	34%	.209
	Behind	47%	60%	29%	37%	44%	27%	.399
Sweeper	Ahead	9%	38%	15%	25%	31%	19%	.000
	Even	8%	26%	15%	21%	29%	50%	.436
	Behind	2%	30%	20%	29%	75%	25%	.233
Total	Ahead	31%	37%	16%	33%	33%	25%	.115
	Even	42%	46%	23%	30%	35%	31%	.296
	Behind	27%	59%	28%	32%	36%	27%	.426

Jose Altuve Situational Results vs RHP									
Pitch	Situation	Usage	Zone %	Heart %	Chase %	Whiff %	BIP %	wOBA	
4-Seam	Ahead	16%	38%	21%	44%	19%	57%	.268	
	Even	22%	45%	32%	39%	16%	35%	.409	
	Behind	25%	62%	39%	27%	7%	45%	.453	
Kn.Curve	Ahead	2%	25%	12%	33%	25%	50%	.300	
	Even	1%	56%	33%	100%	17%	33%	.000	
	Behind	0%	100%	100%	_	_	_	_	
Slider	Ahead	23%	32%	14%	40%	25%	39%	.331	
	Even	21%	44%	28%	42%	24%	40%	.191	
	Behind	19%	52%	25%	38%	33%	36%	.631	
Sweeper	Ahead	13%	24%	11%	54%	32%	35%	.298	
	Even	5%	32%	20%	48%	24%	52%	.345	
	Behind	4%	53%	47%	38%	14%	86%	.512	
Total	Ahead	28%	36%	17%	44%	24%	43%	.276	
	Even	45%	46%	27%	38%	20%	38%	.305	
	Behind	27%	56%	33%	29%	18%	42%	.445	

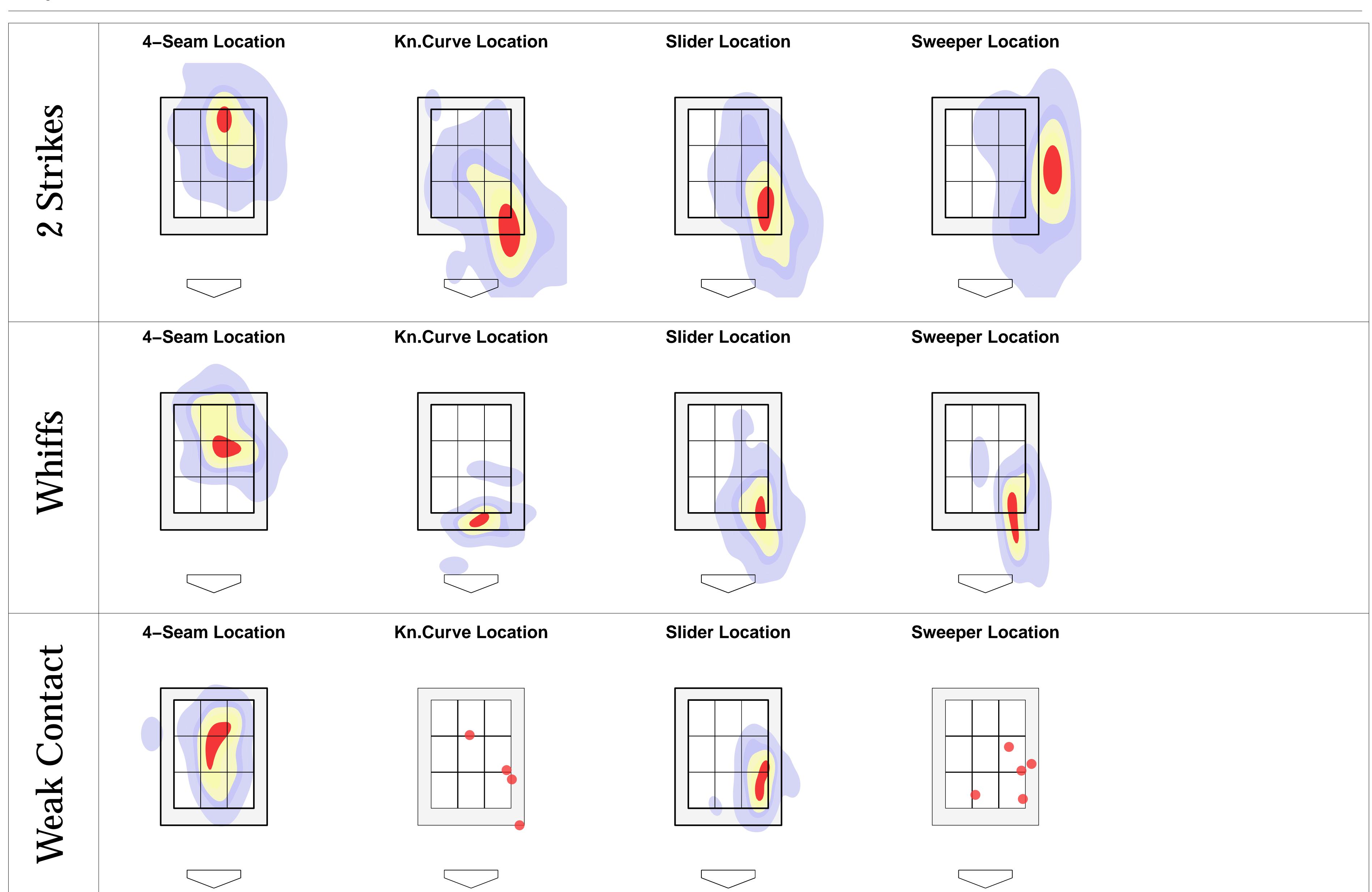
#### Dylan Cease vs RHH Pitch Location



### Jose Altuve vs RHP Swing Location



## Dylan Cease vs RHH Pitch Location



### Jose Altuve vs RHP Swing Location

