

2021 Stats and Pitch Characteristics

Pitch Summary					
Pitch Type	Velocity	Release Extension	Release Height	Horizontal Movement	Vertical Movement
FF	95.0	5.69	5.88	10.8	15.7
SL	73.3	5.49	5.73	-9.5	0.2
CH	73.9	5.40	5.53	17.3	8.7

Pitch Comps

Using data since 2015, we were able to generate a list of the most similar pitches to your pitches as they currently stand based on a number of different factors. These include:

- Velocity
- Release Extension
- Release Height
- Movement Profile

Fastball

Most Similar Pitches									
Pitcher	Pitch Type	Velocity	Release Extension	Release Height	Horizontal Movement	Vertical Movement	Whiff	Barrel	xRV+
Mike Adams	FF	95.0	5.69	5.88	10.80	15.70	NA	NA	NA
Brad Brach	FF	94.6	5.70	5.89	8.28	16.20	10.9%	7.9%	97
Joe Harvey	FF	95.2	5.80	5.75	12.60	15.72	10.2%	12.7%	104
Luis Perdomo	FF	94.3	5.70	5.99	9.96	14.52	2.9%	7.6%	102
Evan Marshall	FF	93.6	5.70	5.92	9.96	14.52	7.3%	5.0%	98
Michael Lorenzen	FF	95.6	5.90	5.88	10.92	17.16	7.0%	5.0%	103

Slider

Most Similar Pitches									
Pitcher	Pitch Type	Velocity	Release Extension	Release Height	Horizontal Movement	Vertical Movement	Whiff	Barrel	xRV+
Mike Adams	SL	73.3	5.49	5.73	-9.50	0.20	NA	NA	NA
Matt Shoemaker	KC	75.7	5.70	6.43	-10.08	0.12	3.3%	5.4%	106
Julio Teheran	CU	72.9	5.60	5.21	-10.68	-4.32	11.1%	7.9%	102
Yusmeiro Petit	CU	76.9	6.60	5.80	-10.80	4.56	20.5%	3.9%	92
Josh Lindblom	SL	76.1	6.20	5.91	-15.36	0.00	19.6%	0.0%	106
Adam Cimber	SL	77.0	6.20	2.05	-2.88	3.60	11.5%	6.7%	103

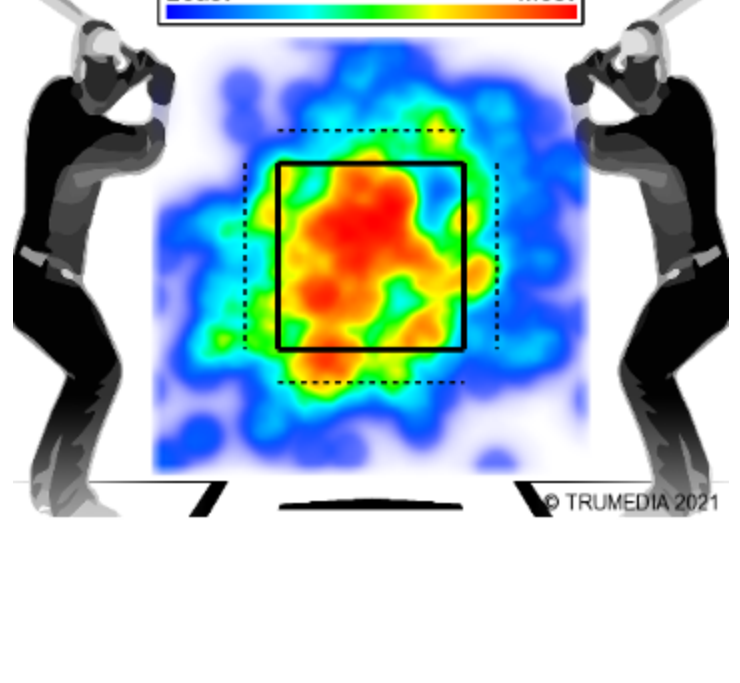
Change-Up

Most Similar Pitches									
Pitcher	Pitch Type	Velocity	Release Extension	Release Height	Horizontal Movement	Vertical Movement	Whiff	Barrel	xRV+
Mike Adams	CH	73.9	5.4	5.53	17.30	8.70	NA	NA	NA
Jacob Webb	CH	83.9	6.0	5.51	18.00	8.40	23.2%	2.4%	99
Brandon Kintzler	CH	87.6	6.4	5.93	16.68	9.24	13.6%	3.2%	97
Dane Dunning	CH	85.6	6.5	5.83	15.60	8.88	10.3%	16.0%	101
Cristian Javier	CH	86.0	6.0	5.35	15.96	9.12	6.8%	4.0%	91
Daniel Mengden	CH	82.0	6.1	6.00	15.48	8.64	5.7%	5.7%	105

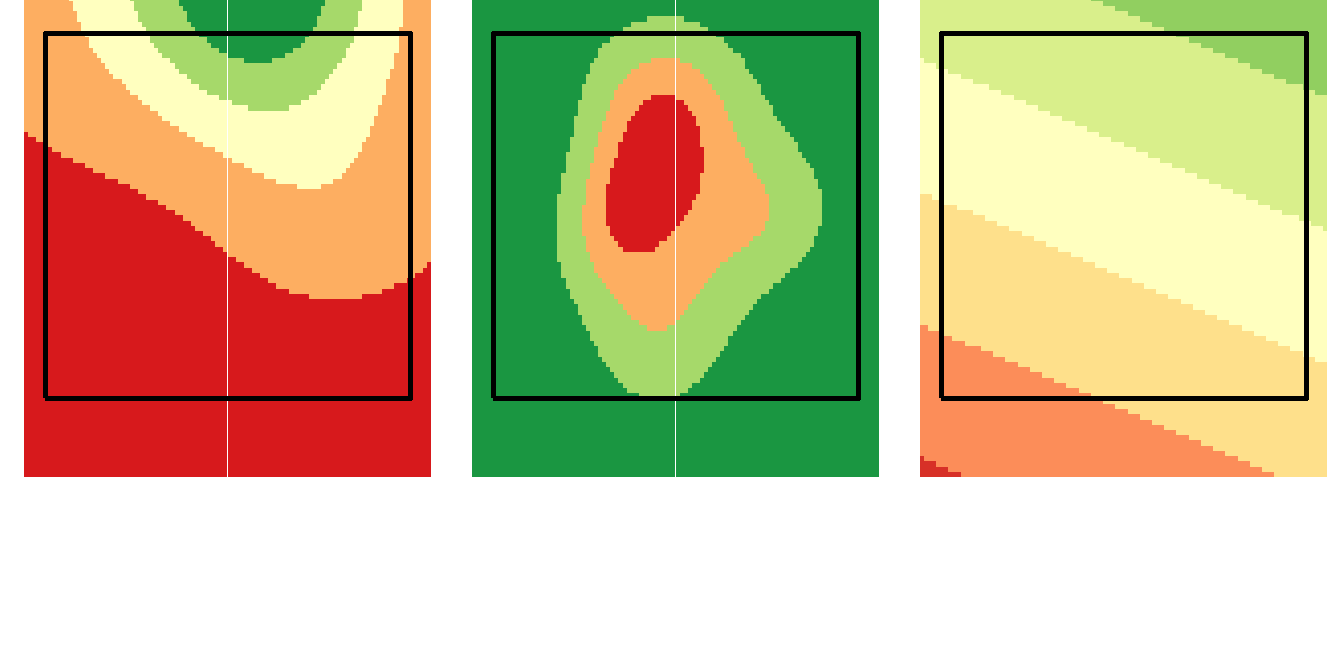
Ideal Pitch Locations

We pulled the 1,000 most similar pitches thrown since 2015 and generated a heat map of the Swinging Strike Rate by location for those pitches most similar to yours. Additionally, we took the 500 most similar pitches that were put in play and built a heat map for barrels. If you are not familiar with barrels, it is a measure of ideal exit velocity/launch angle combinations. When determining where to focus on locating your pitches, refer to these heat maps.

Fastballs (Based off 2021 averages)



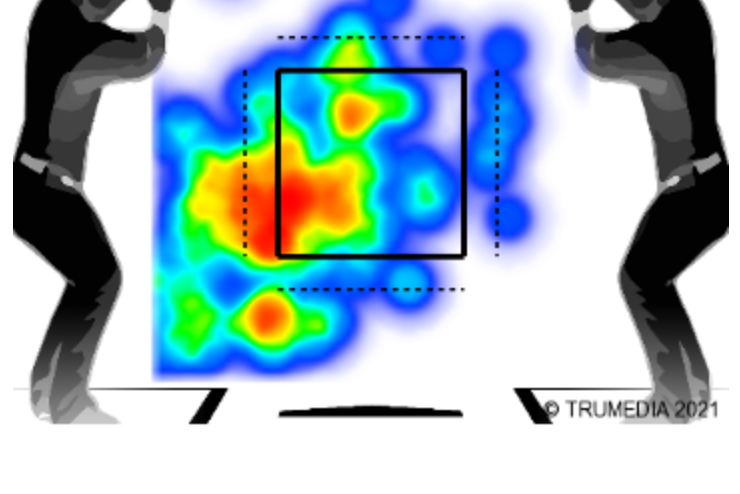
Pitches v LHH



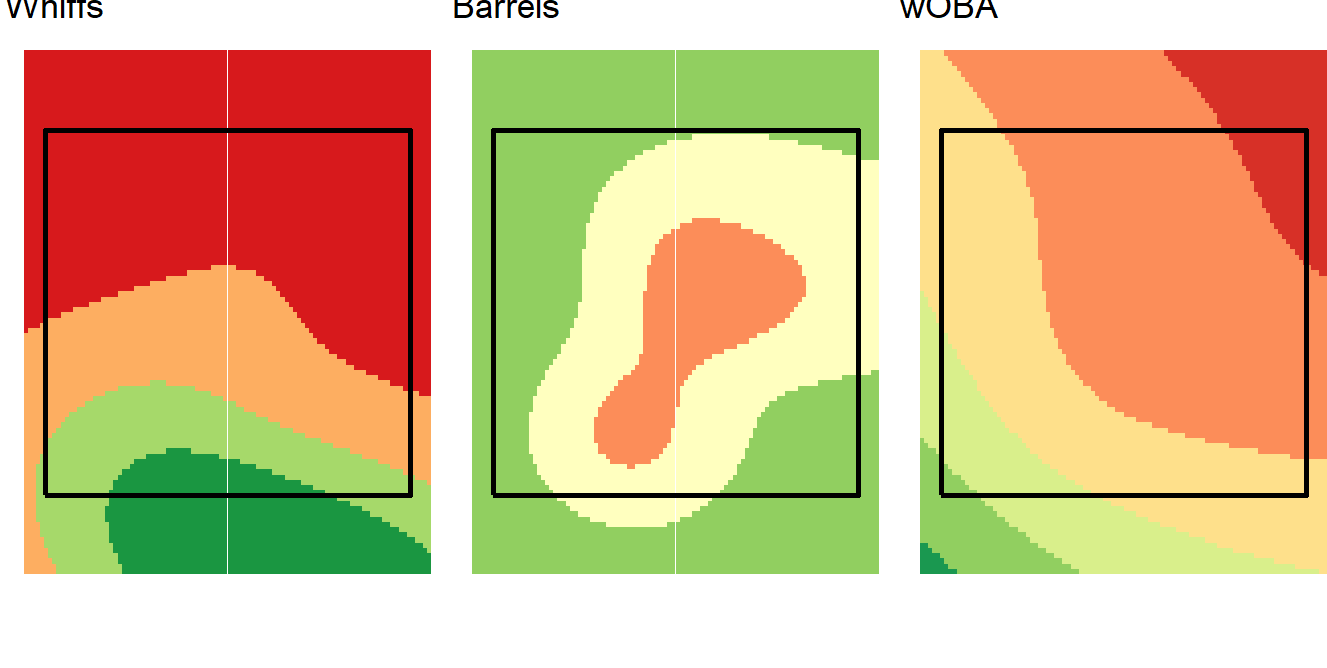
Pitches v RHH



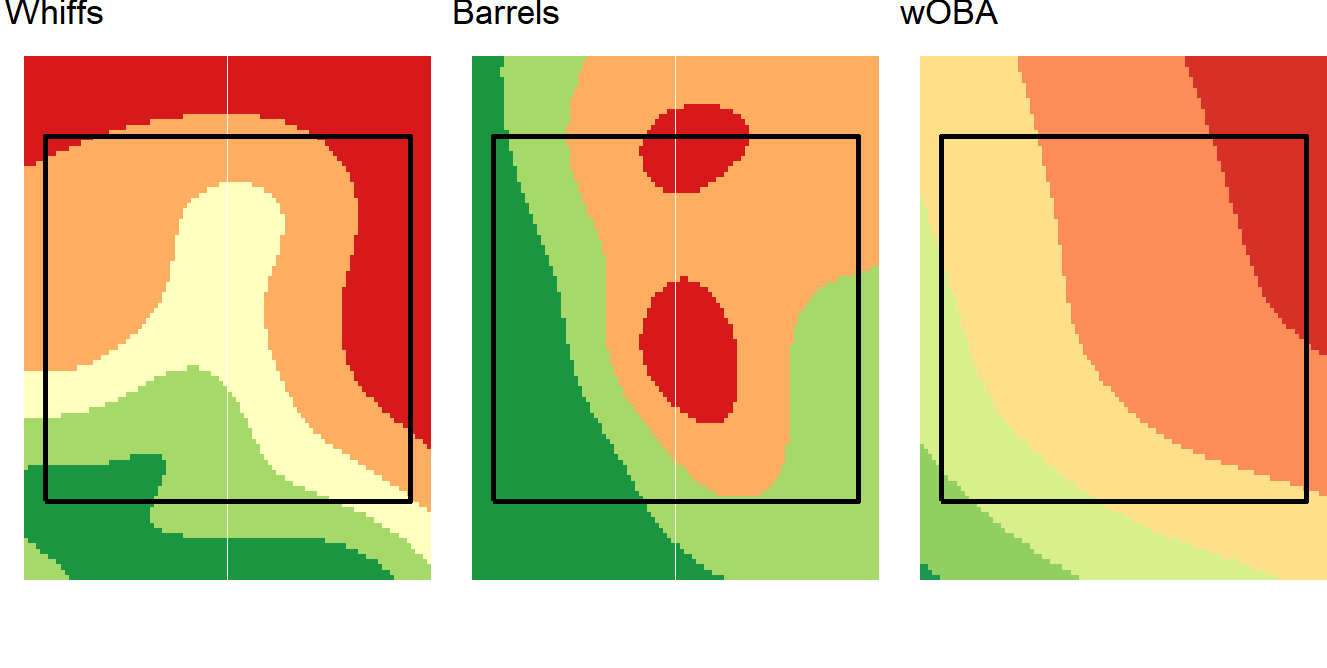
Slider (Based off 2021 averages)



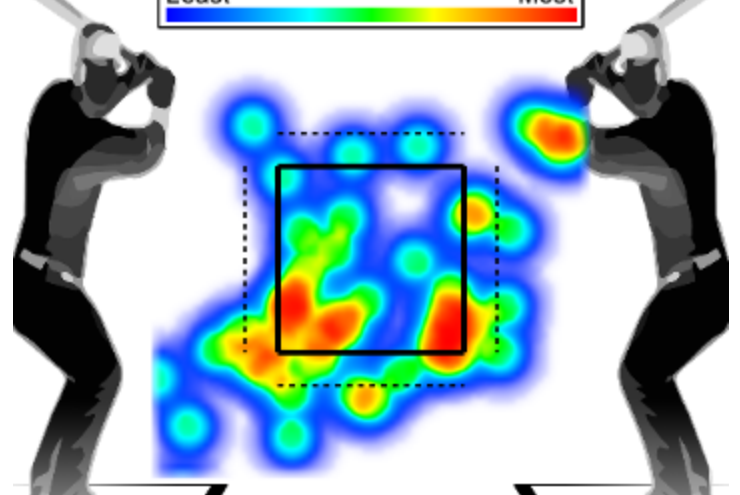
Pitches v LHH



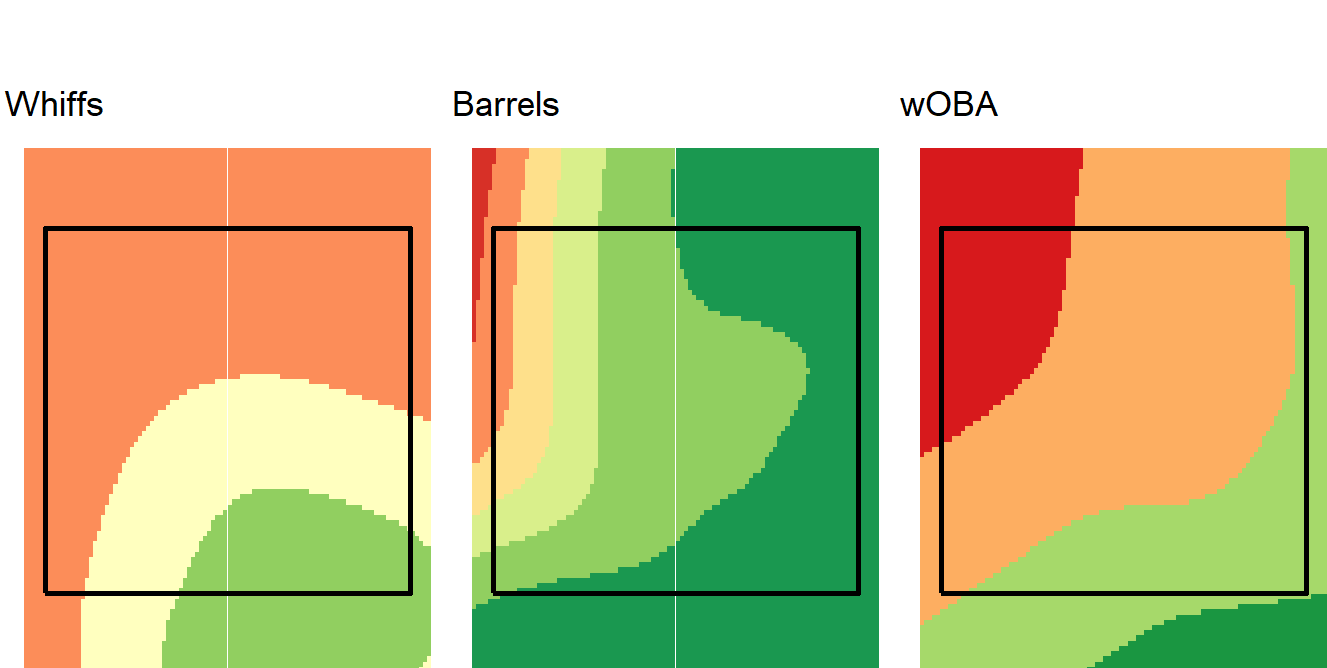
Pitches v RHH



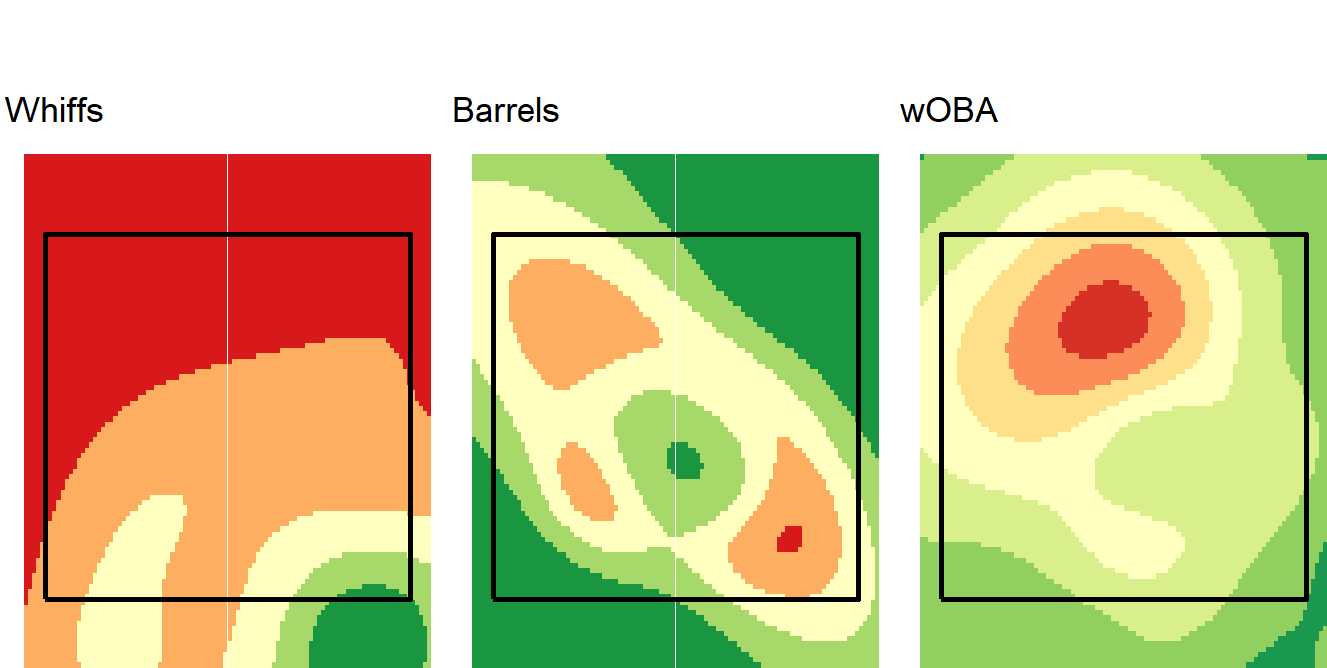
Change-Up (Based off 2021 averages)



Pitches v LHH



Pitches v RHH



Overall Summary

Pitch Locations

Based off the overall movement profile of your pitches here are what we believe are the areas you should be attacking with each of your pitches versus both left and right handed hitters. The green areas are location where you are likely to get a swing a miss than allow a barrel. The outlined green area is the whiff zone and the red outlined areas are the danger zones to avoid.

