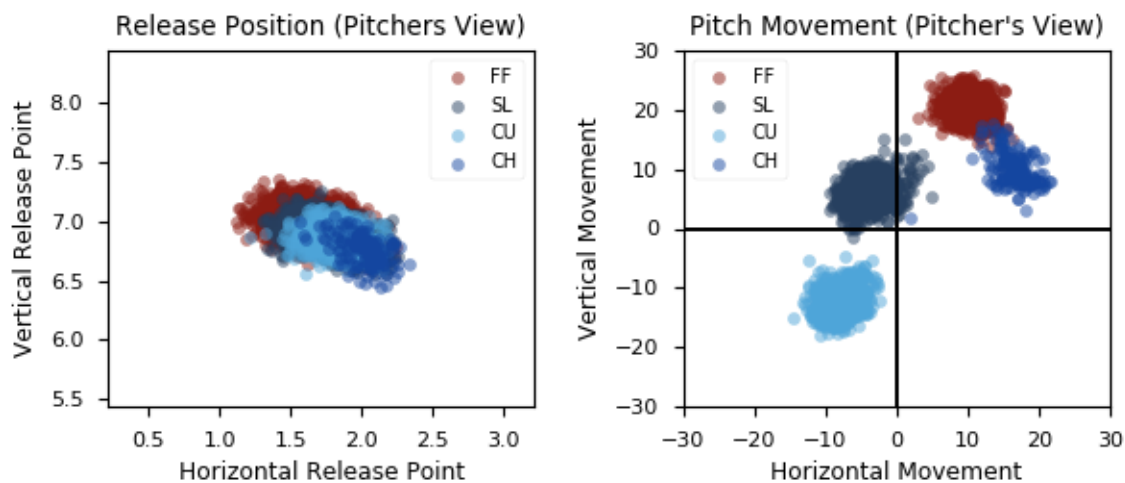
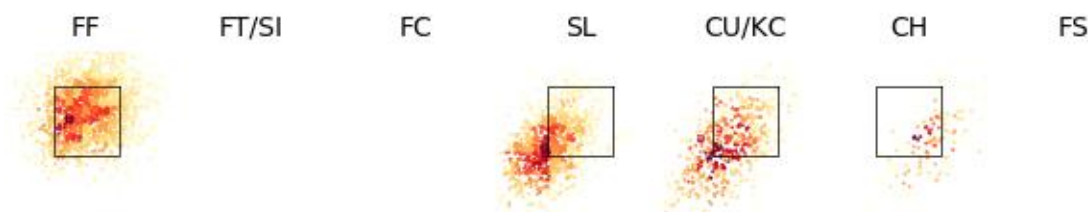


Pitch Profile for Justin Verlander

2019-3-28 to 2019-9-30



Pitch Locations (Pitcher's View)



Pitch Type	% Thrown	Velocity	Spin Rate	Horizontal Break	Vertical Break	Tilt	Spin Eff.	Whiff Rate
FF	49.2	94.6	2577.0	10.1	20.6	1:00	96.6	27.8
SL	28.2	87.5	2612.0	-4.1	6.2	10:00	14.2	35.3
CU	18.5	79.4	2821.0	-7.6	-12.3	7:00	40.5	21.2
CH	4.1	86.9	1866.0	16.3	10.3	2:00	91.0	29.2

Pitch Type	% Thrown	Weak%	Topped%	Under%	Burner%	Solid%	Barrel%	HardHit%
FF	49.2	1.5	13.1	39.4	21.2	9.6	15.2	49.5
SL	28.2	7.1	33.9	32.7	18.5	5.4	2.4	20.8
CU	18.5	0.0	38.6	21.7	33.7	4.8	1.2	25.3
CH	4.1	0.0	34.6	46.2	15.4	0.0	3.8	11.5