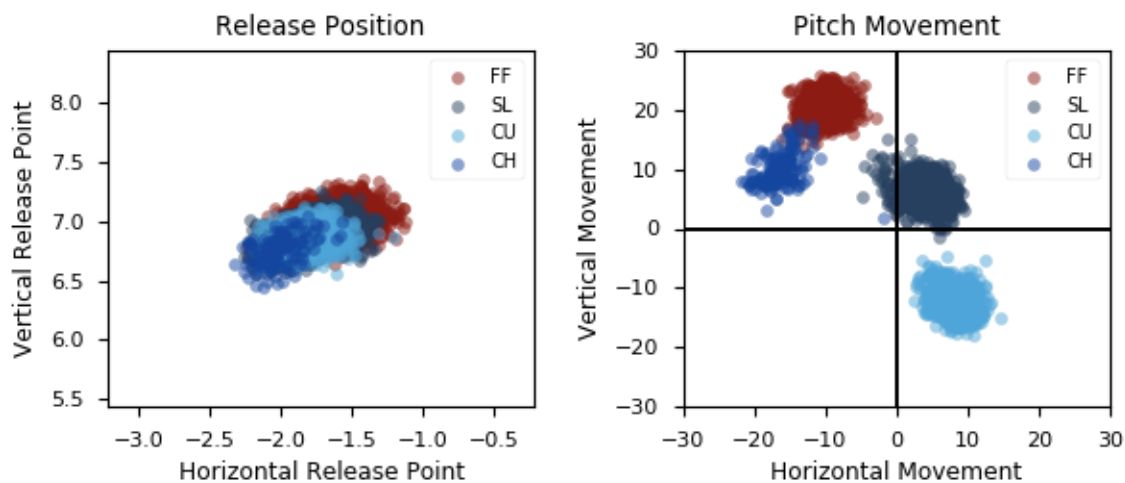
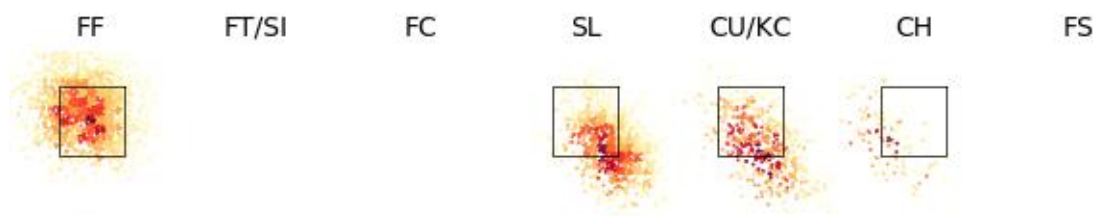


Pitch Profile for Justin Verlander

2019-3-20 to 2019-9-30



Pitch Locations (Catcher's View)



Pitch Type	% Thrown	Velocity	Spin Rate	Horizontal Break	Vertical Break	Whiff Rate	xwOBA	wOBA
FF	49.2	94.6	2577.0	-10.1	20.6	27.8	0.456	0.357
SL	28.2	87.5	2612.0	4.1	6.2	35.3	0.272	0.172
CU	18.5	79.4	2821.0	7.6	-12.3	21.2	0.317	0.228
CH	4.1	86.9	1866.0	-16.3	10.3	29.2	0.238	0.146

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