



Logan Webb

Pitch Subtypes Analysis

Pitch Type/Subtype	Spin (RPM)	Velo (MPH)	Xbreak (in.)	Ybreak (in.)	SwK (%)	Exit Velo (MPH)	LA>40° (Pop-up%)	LA<0° (GB%)
4-Seam Fastball								
<i>FF 1</i>	2083	92.9	-0.7	1.0	1.26	86.6	5.3	4.2
<i>FF 2</i>	2294	93.3	-0.8	1.1	0.16	87.7	4.7	4.7
Change Up								
<i>CH 1</i>	1504	84.4	-0.9	-0.1	2.9	85.9	1.1	14.1
<i>CH 2</i>	1665	84.9	-1.1	-0.1	3.4	90.9	5.5	7.7
Sinker								
<i>SI 1</i>	1946	91.6	-1.4	0.4	0.4	81.7	0	22.4
<i>SI 2</i>	2131	92.1	-1.4	0.5	0.6	88.6	5.4	13.5
Slider								
<i>SL 1</i>	2732	81.7	1.0	-0.1	3.2	83.7	5.2	8.5
<i>SL 2</i>	2865	82.1	1.0	-0.1	1.3	70.0	0	7.4
<i>SL 3</i>	2599	81.3	0.9	-0.1	1.3	87.1	10	0
Cutter								
<i>FC 1</i>	2306	90.3	-0.1	0.7	3.8	79.0	0	0
<i>FC 2</i>	2450	90.6	-0.1	0.7	1.9	76.9	15.4	0

Metodology

Using Statcast data from 2019 and 2020 seasons I compared individual pitches based on characteristics like movement, velocity and spin rate with the objective of finding pitch subtypes that have a specific shape which yield better results.

In this analysis, I used clustering within each of the 5 pitch types that Logan throws based on the classification determined by Statcast. Worth mentioning that Statcast adds another pitch to Logan which is a 2-Seam Fastball, for the analysis I combined the 2-Seam Fastball with the Sinker to create a single group as both pitches have similar characteristics.