

MLB Pitcher Strike Zone Analysis

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This dashboard was designed as a tool to analyze the pitch location data for MLB pitchers throughout recent seasons. Widgets enable users to toggle between specific pitchers, dates, pitch types, and whether they were facing left-handed or right-handed batters. The visual that shows the data includes an accurate representation of the MLB strike zone, allowing for better insight into the specific pitch locations. A second tab labeled "Raw Data" presents a dataframe with the information on each pitch shown in the visualization. Additionally, users can hover over pitch data points on the plot to read about the pitch type, location, and outcome.

Strike Z	Zone R	aw Data									
	pitch_type	game_date	release_speed	plate_x	plate_z	player_name	stand	outcome	s_or_b	description	events
115383	FF	2024-08-24	96.7	0.48	3.16	López, Pablo	R	0.0	s	swinging_strike	strikeou
115384	ST	2024-08-24	86.3	1.79	1.25	López, Pablo	R	NaN	В	ball	Nat
115385	ST	2024-08-24	86.1	0.60	1.78	López, Pablo	R	NaN	S	foul	Nal
115386	СН	2024-08-24	89.9	-1.27	2.15	López, Pablo	R	NaN	s	foul	Nat
115387	FF	2024-08-24	96.4	-0.16	4.83	López, Pablo	R	NaN	В	ball	Nat
115388	FF	2024-08-24	96.7	-0.72	2.12	López, Pablo	R	NaN	S	foul	Nal
115389	SI	2024-08-24	96.2	-0.24	2.83	López, Pablo	R	NaN	s	called_strike	Nal
115390	ST	2024-08-24	85.4	0.12	2.06	López, Pablo	R	0.0	S	called_strike	strikeou
115391	FF	2024-08-24	97.9	-1.01	3.46	López, Pablo	R	NaN	В	ball	Nat
115392	СН	2024-08-24	88.9	-1.02	1.95	López, Pablo	R	NaN	s	foul	Nal
115393	SI	2024-08-24	94.7	0.46	2.56	López, Pablo	R	NaN	S	called_strike	Nal