

Strike Prediction - Attribute List

pitch_type

- The type of pitch derived from Statcast.

release_speed

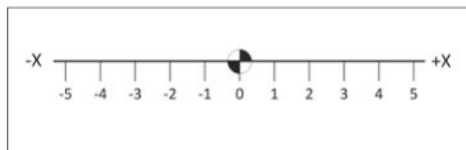
- Pitch velocities from 2008-16 are via Pitch F/X, and adjusted to roughly out-of-hand release point. All velocities from 2017 and beyond are Statcast, which are reported out-of-hand.

p_throws

- Hand pitcher throws with.

release_pos_x

- Horizontal Release Position of the ball measured in feet from the catcher's perspective.



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release_pos_y

- Release position of pitch measured in feet from the catcher's perspective

release_pos_z

- Vertical Release Position of the ball measured in feet from the catcher's perspective.

description

- Description of the resulting pitch.
- Ball, blocked_ball, called_strike

pfx_z

- Vertical movement in feet from the catcher's perspective.

pfx_x

- Horizontal movement in feet from the catcher's perspective.

release_spin

- Spin rate of pitch tracked by Statcast.

vx0

- The velocity of the pitch, in feet per second, in x-dimension, determined at y=50 feet.

vy0

- The velocity of the pitch, in feet per second, in y-dimension, determined at y=50 feet.

vz0

- The velocity of the pitch, in feet per second, in z-dimension, determined at y=50 feet.

spin_dir

- * Deprecated field from the old tracking system.

ax

- The acceleration of the pitch, in feet per second per second, in x-dimension, determined at y=50 feet.

ay

- The acceleration of the pitch, in feet per second per second, in y-dimension, determined at y=50 feet.

az

- The acceleration of the pitch, in feet per second per second, in z-dimension, determined at y=50 feet.

Selected Attribute Groups

<p>Group 1: vx_0, vy_0, vz_0</p> <ul style="list-style-type: none"> - The velocity of the pitch, in feet per second, in x-dimension, determined at $y=50$ feet. - The velocity of the pitch, in feet per second, in y-dimension, determined at $y=50$ feet. - The velocity of the pitch, in feet per second, in z-dimension, determined at $y=50$ feet. 	<p>Group 2: ax, ay, az</p> <ul style="list-style-type: none"> - The acceleration of the pitch, in feet per second per second, in x-dimension, determined at $y=50$ feet. - The acceleration of the pitch, in feet per second per second, in y-dimension, determined at $y=50$ feet. - The acceleration of the pitch, in feet per second per second, in z-dimension, determined at $y=50$ feet.
<p>Group 3: pfx_x, pfx_z, vx_0, vy_0, vz_0</p> <ul style="list-style-type: none"> - Horizontal movement in feet from the catcher's perspective. - Vertical movement in feet from the catcher's perspective. - The velocity of the pitch, in feet per second, in x-dimension, determined at $y=50$ feet. - The velocity of the pitch, in feet per second, in y-dimension, determined at $y=50$ feet. - The velocity of the pitch, in feet per second, in z-dimension, determined at $y=50$ feet. 	<p>Group 4: $release_pos_x$, $release_pos_y$, $release_pos_z$, pfx_x, pfx_z</p> <ul style="list-style-type: none"> - Horizontal Release Position of the ball measured in feet from the catcher's perspective. - Release position of pitch measured in feet from the catcher's perspective - Vertical Release Position of the ball measured in feet from the catcher's perspective. - Horizontal movement in feet from the catcher's perspective. - Vertical movement in feet from the catcher's perspective.

