

Data Dictionary

Field Name	Data Type	Description	Example
Tm	Text	Team Name	Toronto Blue Jays
Year	Integer	Calendar Year	2021
#Bat	Integer	Number of Players used in Games	62
BatAge	Float	Batter's Average Age	26.8
G	Integer	Games Played or Pitched	162
PA	Float	Plate Appearance (per game) Each completed turn batting, regardless of the result	37.469
AB	Float	At Bats (per game) Any Plate Appearance that results in a hit, error, fielder's choice, or a non-sacrifice out	33.802
R/G	Float	Runs Scored (per game)	5.22
H	Float	Hits (per game)	8.981
2B	Float	Doubles Hit (per game)	1.759
3B	Float	Triples Hit (per game)	0.080
HR	Float	Home Runs Hit (per game)	1.617
RBI	Float	Runs Batted In (per game)	5.037
SB	Float	Stolen Bases (per game)	0.5
CS	Float	Caught Stealing (per game)	0.123
BB	Float	Bases on Balls/Walks (per game)	3.062
SO	Float	Strikeouts by Batter (per game)	7.519
BA	Float	Batting Average H/AB	0.266
OBP	Float	On Base Percentage (H + BB + HBP)/(At Bats + BB + HBP + SF)	0.33
SLG	Float	Slugging Percentage (1B + 2*2B + 3*3B + 4*HR)/AB	0.466
OPS	Float	On Base plus Slugging Percentage OBP + SLG	0.797
OPS+	Integer	OPS Adjusted to the player's ballpark(s) 100*[OBP/lg OBP + SLG/lg SLG - 1]	113
TB	Float	Total Bases (per game) Singles + 2 x Doubles + 3 x Triples + 4 x Home Runs.	15.753
GDP	Float	Double plays grounded into (per game)	0.691
HBP	Float	Times a Batter was Hit by a Pitch (per game)	0.315
SH	Float	Sacrifice Hits (per game)	0.062
SF	Float	Sacrifice Flies (per game)	0.216
IBB	Float	Intentional Bases on Balls (per game)	0.086
LOB	Float	Runners Left On Base by Batters (per game)	6.519
#P	Integer	Number of Pitchers used in Games	38
PAGE	Float	Pitchers' average age	29.1
RA/G	Float	Runs Allowed (per game)	4.09
ERA	Float	Earned Run Average 9 * ER / IP	3.91

GF	Float	Games Finished (per game)	0.994
CG	Float	Complete Game (per game)	0.006
tSho	Integer	Shutouts by a team No runs allowed in a game by one or more pitchers.	14
cSho	Integer	Shutouts No runs allowed and a complete game.	1
SV	Float	Saves (per game)	0.210
IP	Float	Innings Pitched (per game)	8.673
H_P	Float	Hits Allowed (per game)	7.759
R	Float	Runs Allowed (per game)	4.093
ER	Float	Earned Runs Allowed (per game)	3.765
HR_P	Float	Home Runs Allowed (per game)	1.290
BB_P	Float	Bases on Balls/Walks Allowed (per game)	2.920
IBB_P	Float	Intentional Bases on Balls/Walks Allowed (per game)	0.062
SO_P	Float	Strikeouts by Pitcher (per game)	9.062
HBP_P	Float	Times a Pitcher hit a Batter (per game)	0.463
BK	Float	Balks (per game)	0.025
WP	Float	Wild Pitches (per game)	0.333
BF	Float	Batters Faced (per game)	36.519
ERA+	Integer	ERA Adjusted to the player's ballpark(s) $100 \cdot [\lg \text{ERA} / \text{ERA}]$	115
FIP	Float	Fielding Independent Pitching measures a pitcher's effectiveness at preventing HR, BB, HBP and causing strikeout $(13 \cdot \text{HR} + 3 \cdot (\text{BB} + \text{HBP}) - 2 \cdot \text{SO}) / \text{IP} + \text{Constant}_{\lg}$	4.18
WHIP	Float	Walks and Hits Per Innings Pitched $(\text{BB} + \text{H}) / \text{IP}$	1.231
H9	Float	Hits Per 9 Innings $9 \times \text{H} / \text{IP}$	8.1
HR9	Float	Home Runs Per 9 Innings	1.3
BB9	Float	Bases on Balls/Walks Per 9 Innings	3
SO9	Float	Strikeouts Per 9 Innings	9.4
SO/W	Float	Strikeout to Walk Ratio SO / BB	3.1
LOB_P	Float	Runners Left On Base by Pitchers (per game)	6.506
#Fld	Integer	Number of Players used as Fielders	61
RA/G_D	Float	Runs Allowed Per Game by the Defense	4.09
DefEff	Float	Defensive Efficiency	0.7
GS	Float	Games Started	9
CG_D	Float	Complete Game by Defense (per game)	6.463
Inn	Float	Innings Played in Field (per game)	78.074
Ch	Float	Defensive Chances (per game) Putouts + Assists + Errors	35.043
PO	Float	Putouts (per game)	26.025
A	Float	Assists (per game)	8.463
E	Float	Errors Committed (per game)	0.556

DP	Float	Double Plays Turned (per game)	0.753
Fld%	Float	Fielding Percentage (Putouts + Assists) / (Putouts + Assists + Errors)	0.984
Rtot	Integer	Total Zone Total Fielding Runs Above Avg	8
Rtot/yr	Integer	Total Zone Total Fielding Runs Above Avg per 1,200 Inn	1
BPF	Integer	Batting Park Factor 100 - Neutral < 100 - Favors Pitchers > 100 - Favors Batters.	104
PPF	Integer	Pitching Park Factor 100 - Neutral < 100 - Favors Pitchers > 100 - Favors Batters.	103
#a-tA-S	Integer	All-time All-Stars Number of Players on team who were named to the All-Star game at some point in their careers.	17
1Run	Float	Win-Loss Percentage in games decided by 1 run	0.458
Under500	Float	The percentage of games played against teams with a losing record	0.475
SOS	Float	Strength of Schedule The number of runs per game their opponents are better (or worse) than the average team	0
W-L%	Float	Win-Loss Percentage Wins / (Wins + Losses)	0.562