

APPENDIX B – BASEBALL-REFERENCE.COM DATASET

Table Name / Description	Fielding_Team - Fielding statistics for each MLB team			
Variable Name	Description	Statistical Summary	Errors	Used in final dataset
#Fld	Number of Players used as Fielders	Max. :61.00 Min. :37.00 Unique Values: 13	None	
A	Assists	Max. :633.0 Min. :442.0 Unique Values: 25	None	
CG	Complete Game	Max. :435.0 Min. :355.0 Unique Values: 26	None	
Ch	Defensive Chances: Putouts + Assists + Errors	Max. :2254 Min. :1941 Unique Values: 26	None	
DefEff	Defensive Efficiency: Percentage of balls in play converted into outs. This is an estimate based on team defensive and pitching stats. We utilize two estimates of plays made. One using innings pitched, strikeouts, double plays and outfield assists. And the other with batters faced, strikeouts, hits allowed, walks allowed, hbp, and .71 * errors committed (avg percent of errors that result in an ROE). Total plays available are plays made + hits allowed - home runs + error committed estimate.	Max. :0.7310 Min. :0.6420 Unique Values: 25	None	
DP	Double Plays Turned	Max. :78.00 Min. :33.00 Unique Values: 19	None	
E	Errors Committed	Max. :48.00 Min. :20.00 Unique Values: 20	None	
Fld%	Fielding Percentage: (Putouts + Assists) / (Putouts + Assists + Errors)	Max. :0.9910 Min. :0.9760 Unique Values: 14	None	
G	Games Played or Pitched	Max. :60.00 Min. :58.00 Unique Values: 2	None	
GS	Games Started	Max. :540.0 Min. :522.0 Unique Values: 2	None	
Inn	Innings Played in Field	Max. :4848 Min. :4257 Unique Values: 25	None	
PO	Putouts	Max. :1616 Min. :1419 Unique Values: 25	None	

RA/G	Runs Allowed Per Game	Max. :5.880 Min. :3.480 Unique Values: 29	None	
Rdrs	BIS Defensive Runs Saved Above Avg: The number of runs above or below average the team was worth based on the number of plays made. This number combines the individual players' defensive runs saved as well as team-level runs saved from shifting and positioning into a total team defensive contribution.	Max. : 33.000 Min. : -46.000 Unique Values: 28	None	
Rdrs/yr	BIS Defensive Runs Saved Above Avg per 1,200 Inn: The number of runs above or below average the team's fielders were worth per 1,200 Innings (approx 135 games). This number combines the Rpm, Rbdp, Rbof, Rbcatch numbers into a total defensive contribution. For pitchers, this is set to 200 Innings. This does not include any team-level runs saved from positioning or shifting.	Max. : 6.0000 Min. : -4.0000 Unique Values: 8	None	
Rgood	BIS Good Plays/Misplays Runs Above Avg: The number of runs above or below average the player was worth based on plays where they made an exceptional contribution or obviously misplayed the situation.	Max. : 3.00000 Min. : -5.00000 Unique Values: 9	None	
Rtot	Total Zone Total Fielding Runs Above Avg: The number of runs above or below average the player was worth based on the number of plays made. This number combines the Rtz, Rdp, Rof, Rcatch numbers into a total defensive contribution.	Max. : 37.00 Min. : -41.00 Unique Values: 26	None	
Rtot/yr	Total Zone Total Fielding Runs Above Avg per 1,200 Inn: The number of runs above or below average the fielder was worth per 1,200 Innings (approx 135 games). This number combines the Rtz, Rdp, Rof, Rcatch numbers into a total defensive contribution.	Max. : 9.00000 Min. : -11.00000 Unique Values: 17	None	
TM	Team abbreviation	Unique Values: 30	None	
Table Name / Description	Fielding_Player - Fielding statistics for each MLB player			
Variable Name	Description	Statistical Summary	Errors	Used in final dataset
A	Assists	Max. :161.00 Min. : 0.00 Unique Values: 116	None	
Age	Player's age at midnight of June 30th of that year	Max. :40.00 Min. :20.00 Unique Values: 20	None	
CG	Complete Game	Max. :57.000 Min. : 0.000 Unique Values: 57	None	
Ch	Defensive Chances: Putouts + Assists + Errors	Max. :463.00 Min. : 0.00 Unique Values: 233	None	
DP	Double Plays Turned	Max. :49.000 Min. : 0.000 Unique Values: 44	None	

E	Errors Committed	Max. :14.0000 Min. : 0.0000 Unique Values: 13	None	
Fld%	Fielding Percentage: (Putouts + Assists) / (Putouts + Assists + Errors)	Max. :1.0000 Min. :0.0000 Unique Values: 93	NA's :159	
G	Games Played or Pitched	Max. :73.00 Min. : 1.00 Unique Values: 66	None	
GS	Games Started	Max. :60.00 Min. : 0.00 Unique Values: 61	None	
Inn	Innings Played in Field	Max. :531.0 Min. : 0.1 Unique Values: 561	None	
Lg	League: AL - American League (1901-present) NL - National League (1876-present) AA - American Association (1882-1891) UA - Union Association (1884) PL - Players League (1890) FL - Federal League (1914-1915) NA - National Association (1871-1875)	Mode :character Unique Values: 4		
Name	Player Name: Bold can mean player is active for this team or player has appeared in MLB * means LHP or LHB, # means switch hitter, + can mean HOFer.	Mode :character Unique Values: 1279	None	
PO	Putouts	Max. :430.00 Min. : 0.00 Unique Values: 202	None	
Pos Summary	Positions Played: The positions either followed by the games played at that position or in order of games or innings played. For a single season, * indicates they played at least 2/3rds of the team games there Positions after / indicate less than ten games played at those positions. For career, a + sign means more than 300 games at that position and a - sign means less than 30 games.	Mode :character Unique Values: 103		
Rdrs	BIS Defensive Runs Saved Above Avg: The number of runs above or below average the player was worth based on the number of plays made. This number combines the Rpm, Rbdp, Rbof, Rbcatch numbers into a total defensive contribution.	Max. :15.00000 Min. : -9.00000 Unique Values: 23	NA's :229	
Rdrs/yr	BIS Defensive Runs Saved Above Avg per 1,200 Inn: The number of runs above or below average the fielder was worth per 1,200 Innings (approx 135 games). This number combines the Rpm, Rbdp, Rbof, Rbcatch numbers into a total defensive contribution. For pitchers, this is set to 200 Innings.	Max. : 150.000 Min. : -300.000 Unique Values: 96	NA's :217	
RF/9	Range Factor per 9 Inn: 9 * (Putouts + Assists) / Innings Played	Max. :18.000 Min. : 0.000 Unique Values: 484	None	
RF/G	Range Factor per Game: (Putouts + Assists) / Games Played	Max. :11.290 Min. : 0.000 Unique Values: 400	None	

Rgood	BIS Good Plays/Misplays Runs Above Avg: The number of runs above or below average the player was worth based on plays where they made an exceptional contribution or obviously misplayed the situation.	Max. : 3.0000 Min. :-2.0000 Unique Values: 7	NA's :373	
Rk	Rank: This is a count of the rows from top to bottom. It is recalculated following the sorting of a column.	Max. :1279.0 Min. : 1.0 Unique Values: 1279	None	
Rtot	Total Zone Total Fielding Runs Above Avg: The number of runs above or below average the player was worth based on the number of plays made. This number combines the Rtz, Rdp, Rof, Rcatch numbers into a total defensive contribution.	Max. : 12.000 Min. :-15.000 Unique Values: 28	NA's :707	
Rtot/yr	Total Zone Total Fielding Runs Above Avg per 1,200 Inn: The number of runs above or below average the fielder was worth per 1,200 Innings (approx 135 games). This number combines the Rtz, Rdp, Rof, Rcatch numbers into a total defensive contribution.	Max. : 504.000 Min. :-221.000 Unique Values: 118	NA's :707	
TM	Team abbreviation	Mode :character Unique Values: 31	None	
Table Name / Description	<i>Batting_Team</i> - Batting statistics for each MLB team			
Variable Name	Description	Statistical Summary	Errors	Used in final dataset
#Bat	Number of Players used in Games	Min. :38.00 Unique Values: 11	None	
2B	Doubles Hit/Allowed	Max. :130.00 Min. : 73.00 Unique Values: 25	None	
3B	Triples Hit/Allowed	Max. :16.000 Min. : 3.000 Unique Values: 12	None	
AB	At Bats	Max. :2083 Min. :1752 Unique Values: 29	None	
BA	Hits/At Bats: For recent years, leaders need 3.1 PA per team game played Bold indicates highest BA using current stats Gold means awarded title at end of year.	Max. :0.2720 Min. :0.2120 Unique Values: 26	None	
BatAge	Batters' average age: Weighted by AB + Games Played	Max. :29.80 Min. :25.90 Unique Values: 20	None	
BB	Bases on Balls/Walks	Max. :251.0 Min. :147.0 Unique Values: 24	None	
CS	Caught Stealing	Max. :20.000 Min. : 3.000 Unique Values: 13	None	
G	Games Played or Pitched	Max. :60.00 Min. :58.00 Unique Values: 2	None	

GDP	Double Plays Grounded Into: Only includes standard 6-4-3, 4-3, etc. double plays. First tracked in 1933. For gamelogs only in seasons we have play-by-play, we include triple plays as well. All official seasonal totals do not include GITP's.	Max. :53.00 Min. :28.00 Unique Values: 16	None	
H	Hits/Hits Allowed	Max. :556.0 Min. :390.0 Unique Values: 29	None	
HBP	Times Hit by a Pitch.	Max. :52.00 Min. :10.00 Unique Values: 20	None	
HR	Home Runs Hit/Allowed	Max. :118.00 Min. :51.00 Unique Values: 26	None	
IBB	Intentional Bases on Balls: First tracked in 1955.	Max. :16.000 Min. :1.000 Unique Values: 11	None	
LOB	Runners Left On Base	Max. :445.0 Min. :333.0 Unique Values: 24	None	
OBP	$(H + BB + HBP) / (At\ Bats + BB + HBP + SF)$: For recent years, leaders need 3.1 PA per team game played	Max. :0.3490 Min. :0.2840 Unique Values: 26	None	
OPS	On-Base + Slugging Percentages: For recent years, leaders need 3.1 PA per team game played	Max. :0.8320 Min. :0.6410 Unique Values: 30	None	
OPS+	OPS+: $100 * [OBP / lg\ OBP + SLG / lg\ SLG - 1]$ Adjusted to the player's ballpark(s)	Max. :122.00 Min. :74.00 Unique Values: 24	None	
PA	Plate Appearances: When available, we use actual plate appearances from play-by-play game accounts Otherwise estimated using $AB + BB + HBP + SF + SH$, which excludes catcher interferences.	Max. :2344 Min. :2011 Unique Values: 30	None	
R	Runs Scored/Allowed	Max. :349.0 Min. :219.0 Unique Values: 26	None	
R/G	Runs Scored Per Game	Max. :5.820 Min. :3.650 Unique Values: 26	None	
RBI	Runs Batted In	Max. :338.0 Min. :204.0 Unique Values: 26	None	
SB	Stolen Bases	Max. :55.00 Min. :14.00 Unique Values: 24	None	
SF	Sacrifice Flies: First tracked in 1954.	Max. :23.00 Min. :7.00 Unique Values: 13	None	
SH	Sacrifice Hits (Sacrifice Bunts)	Max. :15.00 Min. :0.00 Unique Values: 11	None	

SLG	Total Bases/At Bats or $(1B + 2*2B + 3*3B + 4*HR)/AB$	Max. :0.4830 Min. :0.3570 Unique Values: 29	None	
SO	Strikeouts	Max. :608.0 Min. :440.0 Unique Values: 28	None	
TB	Total Bases: Singles + 2 x Doubles + 3 x Triples + 4 x Home Runs.	Max. :1001.0 Min. : 650.0 Unique Values: 28	None	
TM	Team abbreviation	Mode :character Unique Values: 30	None	
Table Name / Description	<i>Batting_Player</i> - Batting statistics for each MLB player			
Variable Name	Description	Statistical Summary	Errors	Used in final dataset
2B	Doubles Hit/Allowed	Max. :23.000 Min. : 0.000 Unique Values: 22	None	
3B	Triples Hit/Allowed	Max. :6.0000 Min. :0.0000 Unique Values: 6	None	
AB	At Bats	Max. :248.0 Min. : 0.0 Unique Values: 216	None	
Age	Player's age at midnight of June 30th of that year	Max. :40.00 Min. :20.00 Unique Values: 20	None	
BA	Hits/At Bats: For recent years, leaders need 3.1 PA per team game played Bold indicates highest BA using current stats Gold means awarded title at end of year.	Max. :0.6670 Min. :0.0000 Unique Values: 213	NA's :45	
BB	Bases on Balls/Walks	Max. :49.00 Min. : 0.00 Unique Values: 44	None	
CS	Caught Stealing	Max. :8.000 Min. :0.000 Unique Values: 7	None	
G	Games Played or Pitched	Max. :61.00 Min. : 1.00 Unique Values: 61	None	
GDP	Double Plays Grounded Into: Only includes standard 6-4-3, 4-3, etc. double plays. First tracked in 1933. For gamelogs only in seasons we have play-by-play, we include triple plays as well. All official seasonal totals do not include GTP's.	Max. :10.000 Min. : 0.000 Unique Values: 11	None	
H	Hits/Hits Allowed	Max. :78.00 Min. : 0.00 Unique Values: 75	None	
HBP	Times Hit by a Pitch.	Max. :14.000 Min. : 0.000 Unique Values: 14	None	

HR	Home Runs Hit/Allowed	Max. :22.000 Min. : 0.000 Unique Values: 21	None	
IBB	Intentional Bases on Balls: First tracked in 1955.	Max. :12.0000 Min. : 0.0000 Unique Values: 9	None	
Lg	League: AL - American League (1901-present) NL - National League (1876-present) AA - American Association (1882-1891) UA - Union Association (1884) PL - Players League (1890) FL - Federal League (1914-1915) NA - National Association (1871-1875)	Mode :character Unique Values: 3	None	
Name	Player Name: Bold can mean player is active for this team or player has appeared in MLB * means LHP or LHB, # means switch hitter, + can mean HOfer.	Mode :character Unique Values: 618	None	
OBP	$(H + BB + HBP)/(At\ Bats + BB + HBP + SF)$: For recent years, leaders need 3.1 PA per team game played	Max. :1.0000 Min. :0.0000 Unique Values: 226	NA's :44	
OPS	On-Base + Slugging Percentages: For recent years, leaders need 3.1 PA per team game played	Max. :1.8330 Min. :0.0000 Unique Values: 391	NA's :45	
OPS+	OPS+: $100*[OBP/lg\ OBP + SLG/lg\ SLG - 1]$ Adjusted to the player's ballpark(s)	Max. : 383.00 Min. :-100.00 Unique Values: 208	NA's :45	
PA	Plate Appearances: When available, we use actual plate appearances from play-by-play game accounts Otherwise estimated using AB + BB + HBP + SF + SH, which excludes catcher interferences.	Max. :267.00 Min. : 0.00 Unique Values: 231	None	
Pos Summary	Positions Played: The positions either followed by the games played at that position or in order of games or innings played. For a single season, * indicates they played at least 2/3rds of the team games there Positions after / indicate less than ten games played at those positions. For career, a + sign means more than 300 games at that position and a - sign means less than 30 games.	Mode :character Unique Values: 451	None	
R	Runs Scored/Allowed	Max. :51.00 Min. : 0.00 Unique Values: 51	None	
RBI	Runs Batted In	Max. :60 Min. : 0 Unique Values: 51	None	
Rk	Rank: This is a count of the rows from top to bottom. It is recalculated following the sorting of a column.	Max. :696.0 Min. : 1.0 Unique Values: 696	None	
SB	Stolen Bases	Max. :24.000 Min. : 0.000 Unique Values: 16	None	
SF	Sacrifice Flies: First tracked in 1954.	Max. :6.0000 Min. :0.0000 Unique Values: 7	None	
SH	Sacrifice Hits (Sacrifice Bunts)	Max. :5.0000 Min. :0.0000 Unique Values: 6	None	

SLG	Total Bases/At Bats or $(1B + 2*2B + 3*3B + 4*HR)/AB$	Max. :1.3330 Min. :0.0000 Unique Values: 316	NA's :45	
SO	Strikeouts	Max. :90.0 Min. :0.0 Unique Values: 80	None	
TB	Total Bases: Singles + 2 x Doubles + 3 x Triples + 4 x Home Runs.	Max. :148.0 Min. :0.0 Unique Values: 123	None	
TM	Team abbreviation	Mode :character Unique Values: 31	None	
Table Name / Description	<i>Pitching_Team</i> - Pitching statistics for each MLB team			
Variable Name	Description	Statistical Summary	Errors	Used in final dataset
#P	Number of Pitchers used in Games	Max. :37.00 Min. :18.00 Unique Values: 12	None	
BB	Bases on Balls/Walks	Max. :252.0 Min. :145.0 Unique Values: 26	None	
BB9	9 x BB / IP: For recent years, leaders need 1 IP per team game played	Max. :4.400 Min. :2.400 Unique Values: 15	None	
BF	Batters Faced	Max. :2389 Min. :1989 Unique Values: 29	None	
BK	Balks	Max. :5.0 Min. :0.0 Unique Values: 6	None	
CG	Complete Game	Max. :3.0000 Min. :0.0000 Unique Values: 4	None	
cSho	Shutouts No runs allowed and a complete game.	Max. :2.0 Min. :0.0 Unique Values: 3	None	
ER	Earned Runs Allowed	Max. :327.0 Min. :181.0 Unique Values: 27	None	
ERA	9 * ER / IP: For recent years, leaders need 1 IP per team game played. Bold indicates lowest ERA using current stats Gold means awarded ERA title at end of year.	Max. :5.630 Min. :3.020 Unique Values: 29	None	
ERA+	ERA+: $100*[lgERA/ERA]$ Adjusted to the player's ballpark(s).	Max. :141.0 Min. :84.0 Unique Values: 24	None	
FIP	Fielding Independent Pitching: this stat measures a pitcher's effectiveness at preventing HR, BB, HBP and causing SO $(13*HR + 3*(BB+HBP) - 2*SO)/IP + Constantlg$ The constant is set so that each season MLB average FIP is the same as the MLB avg ERA	Max. :5.190 Min. :3.550 Unique Values: 27	None	

G	Games Played or Pitched	Max. :60.00 Min. :58.00 Unique Values: 2	None	
GF	Games Finished	Max. :60.00 Min. :56.00 Unique Values: 5	None	
GS	Games Started	Max. :60.00 Min. :58.00 Unique Values: 2	None	
H	Hits/Hits Allowed	Max. :587.0 Min. :376.0 Unique Values: 26	None	
H9	9 x H / IP: For recent years, leaders need 1 IP per team game played	Max. :10.100 Min. : 7.100 Unique Values: 20	None	
HBP	Times Hit by a Pitch.	Max. :40.00 Min. :14.00 Unique Values: 18	None	
HR	Home Runs Hit/Allowed	Max. :98.00 Min. :62.00 Unique Values: 18	None	
HR9	9 x HR / IP: For recent years, leaders need 1 IP per team game played	Max. :1.700 Min. :1.100 Unique Values: 7	None	
IBB	Intentional Bases on Balls: First tracked in 1955.	Max. :22.000 Min. : 0.000 Unique Values: 14	None	
IP	Innings Pitched	Max. :538.2 Min. :473.0 Unique Values: 25	None	
L	Losses	Max. :41.00 Min. :17.00 Unique Values: 17	None	
LOB	Runners Left On Base	Max. :466.0 Min. :341.0 Unique Values: 25	None	
Page	Pitchers' average age Weighted by 3*GS + G + SV	Max. :30.80 Min. :26.60 Unique Values: 23	None	
R	Runs Scored/Allowed	Max. :353.0 Min. :209.0 Unique Values: 28	None	
RA/G	Runs Allowed Per Game	Max. :5.880 Min. :3.480 Unique Values: 29	None	
SO	Strikeouts	Max. :621.0 Min. :393.0 Unique Values: 26	None	
SO/W	SO/W or SO/BB: For recent years, leaders need 1 IP per team game played. No batting leaders computed.	Max. :3.960 Min. :1.920 Unique Values: 30	None	

SO9	9 x SO / IP: For recent years, leaders need 1 IP per team game played	Max. :11.000 Min. : 6.700 Unique Values: 19	None	
SV	Saves	Max. :23.00 Min. : 6.00 Unique Values: 14	None	
TM	Team abbreviation	Mode :character Unique Values: 30	None	
tSho	Shutouts by a team No runs allowed in a game by one or more pitchers.	Max. :8.000 Min. :0.000 Unique Values: 9	None	
W	Wins	Max. :43.00 Min. :19.00 Unique Values: 19	None	
WHIP	(BB + H)/IP: For recent years, leaders need 1 IP per team game played	Max. :1.601 Min. :1.056 Unique Values: 29	None	
W-L%	Win Loss Percentage W / (W + L) For players, leaders need one decision for every ten team games. For managers, minimum to qualify for leading is 320 games.	Max. :0.7170 Min. :0.3170 Unique Values: 18	None	
WP	Wild Pitches	Max. :35.00 Min. :11.00 Unique Values: 17	None	
Table Name / Description	<i>Pitching_Player</i> - Pitching statistics for each MLB player			
Variable Name	Description	Statistical Summary	Errors	Used in final dataset
Age	Player's age at midnight of June 30th of that year	Max. :40.00 Min. :20.00 Unique Values: 20	None	
BB	Bases on Balls/Walks	Max. :45.000 Min. : 0.000 Unique Values: 34	None	
BB9	9 x BB / IP: For recent years, leaders need 1 IP per team game played	Max. :81.000 Min. : 0.000 Unique Values: 114	None	
BF	Batters Faced	Max. :344.00 Min. : 1.00 Unique Values: 236	None	
BK	Balks	Max. :2.00000 Min. :0.00000 Unique Values: 3	None	
CG	Complete Game	Max. :2.00000 Min. :0.00000 Unique Values: 3	None	
ER	Earned Runs Allowed	Max. :45.00 Min. : 0.00 Unique Values: 42	None	
ERA	9 * ER / IP: For recent years, leaders need 1 IP per team game played. Bold indicates lowest ERA using current stats Gold means awarded ERA title at end of year.	Max. :81.000 Min. : 0.000 Unique Values: 393	None	

ERA+	ERA+: $100 \times [\lg \text{ERA} / \text{ERA}]$ Adjusted to the player's ballpark(s).	Max. :1375.0 Min. : 8.0 Unique Values: 256	NA's :43	
FIP	Fielding Independent Pitching: this stat measures a pitcher's effectiveness at preventing HR, BB, HBP and causing SO $(13 \times \text{HR} + 3 \times (\text{BB} + \text{HBP}) - 2 \times \text{SO}) / \text{IP} + \text{Constant}$ The constant is set so that each season MLB average FIP is the same as the MLB avg ERA	Max. :82.690 Min. : -2.810 Unique Values: 477	None	
G	Games Played or Pitched	Max. :32.00 Min. : 1.00 Unique Values: 31	None	
GF	Games Finished	Max. :24.000 Min. : 0.000 Unique Values: 23	None	
GS	Games Started	Max. :13.000 Min. : 0.000 Unique Values: 14	None	
H	Hits/Hits Allowed	Max. :85.00 Min. : 0.00 Unique Values: 75	None	
H9	9 x H / IP: For recent years, leaders need 1 IP per team game played	Max. :108.00 Min. : 0.00 Unique Values: 159	None	
HBP	Times Hit by a Pitch.	Max. :7.000 Min. : 0.000 Unique Values: 8	None	
HR	Home Runs Hit/Allowed	Max. :15.000 Min. : 0.000 Unique Values: 16	None	
HR9	9 x HR / IP: For recent years, leaders need 1 IP per team game played	Max. :54.000 Min. : 0.000 Unique Values: 65	None	
IBB	Intentional Bases on Balls: First tracked in 1955.	Max. :4.0000 Min. : 0.0000 Unique Values: 5	None	
IP	Innings Pitched	Max. :84.00 Min. : 0.10 Unique Values: 186	None	
L	Losses	Max. :9.000 Min. : 0.000 Unique Values: 10	None	
Lg	League: AL - American League (1901-present) NL - National League (1876-present) AA - American Association (1882-1891) UA - Union Association (1884) PL - Players League (1890) FL - Federal League (1914-1915) NA - National Association (1871-1875)	Mode :character Unique Values: 3	None	
Name	Player Name: Bold can mean player is active for this team or player has appeared in MLB * means LHP or LHB, # means switch hitter, + can mean HOFer.	Mode :character Unique Values: 735	None	
R	Runs Scored/Allowed	Max. :49.00 Min. : 0.00 Unique Values: 46	None	

Rk	Rank: This is a count of the rows from top to bottom. It is recalculated following the sorting of a column.	Max. :805 Min. : 1 Unique Values: 805	None	
SHO	Shutouts: No runs allowed and a complete game.	Max. :2.00000 Min. :0.00000 Unique Values: 3	None	
SO	Strikeouts	Max. :122.00 Min. : 0.00 Unique Values: 86	None	
SO/W	SO/W or SO/BB: For recent years, leaders need 1 IP per team game played. No batting leaders computed.	Max. :17.000 Min. : 0.000 Unique Values: 242	NA's :51	
SO9	9 x SO / IP: For recent years, leaders need 1 IP per team game played	Max. :27.000 Min. : 0.000 Unique Values: 136	None	
SV	Saves	Max. :16.0000 Min. : 0.0000 Unique Values: 16	None	
Tm	Team abbreviation	Mode :character Unique Values: 31	None	
W	Wins	Max. :8.000 Min. :0.000 Unique Values: 9	None	
WHIP	(BB + H)/IP: For recent years, leaders need 1 IP per team game played	Max. :18.000 Min. : 0.000 Unique Values: 443	None	
W-L%	Win-Loss Percentage W / (W + L) For players, leaders need one decision for every ten team games. For managers, minimum to qualify for leading is 320 games.	Max. :1.0000 Min. :0.0000 Unique Values: 34	NA's :243	
WP	Wild Pitches	Max. :7.0000 Min. :0.0000 Unique Values: 8	None	