

The Lahman Baseball Database

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Data Tables

The database is comprised of the following main tables:

Player - Player names, DOB, and biographical info

Batting - batting statistics

Pitching - pitching statistics

Fielding - fielding statistics

It is supplemented by these tables:

AllStarFull - All-Star appearances

HallofFame - Hall of Fame voting data

Managers - managerial statistics

Teams - yearly stats and standings

BattingPost - post-season batting statistics

PitchingPost - post-season pitching statistics

TeamFranchises - franchise information

FieldingOF - outfield position data

FieldingPost - post-season fielding data

ManagersHalf - split season data for managers

TeamsHalf - split season data for teams

Salaries - player salary data

SeriesPost - post-season series information

AwardsManagers - awards won by managers

AwardsPlayers - awards won by players

AwardsShareManagers - award voting for manager awards

AwardsSharePlayers - award voting for player awards

Appearances - details on the positions a player appeared at

Schools - list of colleges that players attended

CollegePlaying - list of players and the colleges they attended

Player

playerID - A unique code assigned to each player. The playerID links the data in this file with records in the other files.

birthYear - Year player was born

birthMonth - Month player was born

birthDay - Day player was born

birthCountry - Country where player was born

birthState - State where player was born

birthCity - City where player was born

deathYear - Year player died

deathMonth - Month player died

deathDay - Day player died

deathCountry - Country where player died

deathState - State where player died

deathCity - City where player died

nameFirst - Player's first name

nameLast - Player's last name

nameGiven - Player's given name (typically first and middle)

weight - Player's weight in pounds

height - Player's height in inches

bats - Player's batting hand (left, right, or both)

throws - Player's throwing hand (left or right)

debut - Date that player made first major league appearance

finalGame - Date that player made first major league appearance (blank if still active)

retroID - ID used by retrosheet

bbrefID - ID used by Baseball Reference website

Batting

playerID - Player ID code

yearID - Year

stint - player's stint (order of appearances within a season)

teamID - Team

lgID - League

G - Games

AB - At Bats

R - Runs

H - Hits

2B - Doubles

3B - Triples

HR - Homeruns

RBI - Runs Batted In

SB - Stolen Bases

CS - Caught Stealing

BB - Base on Balls

SO - Strikeouts

IBB - Intentional walks

HBP - Hit by pitch

SH - Sacrifice hits

SF - Sacrifice flies

GIDP - Grounded into double plays

Pitching

playerID - Player ID code

yearID - Year

stint - player's stint (order of appearances within a season)

teamID - Team

lgID - League

W - Wins

L - Losses

G - Games

GS - Games Started

CG - Complete Games

SHO - Shutouts

SV - Saves

IPOuts - Outs Pitched (innings pitched x 3)

H - Hits

ER - Earned Runs

HR - Homeruns

BB - Walks

SO - Strikeouts

BAOpp - Opponent's Batting Average

ERA - Earned Run Average

IBB - Intentional Walks

WP - Wild Pitches

HBP - Batters Hit By Pitch

BK - Balks

BFP - Batters faced by Pitcher

GF - Games Finished

R - Runs Allowed

SH - Sacrifices by opposing batters

SF - Sacrifice flies by opposing batters

GIDP - Grounded into double plays by opposing batter

Fielding

playerID - Player ID code

yearID - Year

stint - player's stint (order of appearances within a season)

teamID - Team

lgID - League

Pos - Position

G - Games

GS - Games Started

InnOuts - Time played in the field expressed as outs

PO - Putouts

A - Assists

E - Errors

DP - Double Plays

PB - Passed Balls (by catchers)

WP - Wild Pitches (by catchers)

SB - Opponent Stolen Bases (by catchers)

CS - Opponents Caught Stealing (by catchers)

ZR - Zone Rating

AllstarFull

playerID - Player ID code

YearID - Year

gameNum - Game number (zero if only one All-Star game played that season)

gameID - Retrosheet ID for the game idea

teamID - Team

lgID - League

GP - 1 if Played in the game

startingPos - If player was game starter, the position played

HallOfFame

playerID - Player ID code

yearID - Year of ballot

votedBy - Method by which player was voted upon

ballots - Total ballots cast in that year

needed - Number of votes needed for selection in that year

votes - Total votes received

inducted - Whether player was inducted by that vote or not (Y or N)

category - Category in which candidate was honored

needed_note - Explanation of qualifiers for special elections

Managers

playerID - Player ID Number

yearID - Year

teamID - Team

lgID - League

inseason - Managerial order. Zero if the individual managed the team the entire year. Otherwise denotes where the manager appeared in the managerial order (1 for first manager, 2 for second, etc.)

G - Games managed

W - Wins

L - Losses

rank - Team's final position in standings that year

plyrMgr - Player Manager (denoted by 'Y')

Teams

yearID - Year

lgID - League

teamID - Team

franchID - Franchise (links to TeamsFranchise table)

divID - Team's division

Rank - Position in final standings

G - Games played

GHome - Games played at home

W - Wins

L - Losses

DivWin - Division Winner (Y or N)
WCWin - Wild Card Winner (Y or N)
LgWin - League Champion(Y or N)
WSWin - World Series Winner (Y or N)
R - Runs scored
AB - At bats
H - Hits by batters
2B - Doubles
3B - Triples
HR - Homeruns by batters
BB - Walks by batters
SO - Strikeouts by batters
SB - Stolen bases
CS - Caught stealing
HBP - Batters hit by pitch
SF - Sacrifice flies
RA - Opponents runs scored
ER - Earned runs allowed
ERA - Earned run average
CG - Complete games
SHO - Shutouts
SV - Saves
IPOuts - Outs Pitched (innings pitched x 3)
HA - Hits allowed
HRA - Homeruns allowed
BBA - Walks allowed
SOA - Strikeouts by pitchers
E - Errors
DP - Double Plays
FP - Fielding percentage
name - Team's full name
park - Name of team's home ballpark
attendance - Home attendance total

BPF - Three-year park factor for batters
PPF - Three-year park factor for pitchers
teamIDBR - Team ID used by Baseball Reference website
teamIDlahman45 - Team ID used in Lahman database version 4.5
teamIDretro - Team ID used by Retrosheet

BattingPost

yearID - Year
round - Level of playoffs
playerID - Player ID code
teamID - Team
lgID - League
G - Games
AB - At Bats
R - Runs
H - Hits
2B - Doubles
3B - Triples
HR - Homeruns
RBI - Runs Batted In
SB - Stolen Bases
CS - Caught stealing
BB - Base on Balls
SO - Strikeouts
IBB - Intentional walks
HBP - Hit by pitch
SH - Sacrifices
SF - Sacrifice flies
GIDP - Grounded into double plays

PitchingPost

playerID - Player ID code

yearID - Year

round - Level of playoffs

teamID - Team

lgID - League

W - Wins

L - Losses

G - Games

GS - Games Started

CG - Complete Games

SHO - Shutouts

SV - Saves

IPOuts - Outs Pitched (innings pitched x 3)

H - Hits

ER - Earned Runs

HR - Homeruns

BB - Walks

SO - Strikeouts

BAOpp - Opponents' batting average

ERA - Earned Run Average

IBB - Intentional Walks

WP - Wild Pitches

HBP - Batters Hit By Pitch

BK - Balks

BFP - Batters faced by Pitcher

GF - Games Finished

R - Runs Allowed

SH - Sacrifice Hits allowed

SF - Sacrifice Flies allowed

GIDP - Grounded into Double Plays

TeamFranchises

franchID - Franchise ID

franchName - Franchise name

active - Whether team is currently active (Y or N)

NAassoc - ID of National Association team franchise played as

FieldingOF

playerID - Player ID code

yearID - Year

stint - player's stint (order of appearances within a season)

GlF - Games played in left field

Gcf - Games played in center field

Grf - Games played in right field

ManagersHalf

playerID - Manager ID code

yearID - Year

teamID - Team

lgID - League

inseason - Managerial order. One if the individual managed the team the entire year. Otherwise denotes where the manager appeared in the managerial order (1 for first manager, 2 for second, etc.)

half - First or second half of season

G - Games managed

W - Wins

L - Losses

rank - Team's position in standings for the half

TeamsHalf

yearID - Year

lgID - League

teamID - Team

half - First or second half of season
divID - Division
DivWin - Won Division (Y or N)
rank - Team's position in standings for the half
G - Games played
W - Wins
L - Losses

Salaries

yearID - Year
teamID - Team
lgID - League
playerID - Player ID code
salary - Salary

SeriesPost

yearID - Year
round - Level of playoffs
teamIDwinner - Team ID of the team that won the series
lgIDwinner - League ID of the team that won the series
teamIDloser - Team ID of the team that lost the series
lgIDloser - League ID of the team that lost the series
wins - Wins by team that won the series
losses - Losses by team that won the series
ties - Tie games

AwardsManagers

playerID - Manager ID code
awardID - Name of award won
yearID - Year

lgID - League
tie - Award was a tie (Y or N)
notes - Notes about the award

AwardsPlayers

playerID - Player ID code
awardID - Name of award won
yearID - Year
lgID - League
tie - Award was a tie (Y or N)
notes - Notes about the award

AwardsShareManagers

awardID - name of award votes were received for
yearID - Year
lgID - League
playerID - Manager ID code
pointsWon - Number of points received
pointsMax - Maximum number of points possible
votesFirst - Number of first place votes

AwardsSharePlayers

awardID - name of award votes were received for
yearID - Year
lgID - League
playerID - Player ID code
pointsWon - Number of points received
pointsMax - Maximum number of points possible
votesFirst - Number of first place votes

FieldingPost

playerID - Player ID code
yearID - Year

teamID - Team

lgID - League

round - Level of playoffs

Pos - Position

G - Games

GS - Games Started

InnOuts - Time played in the field expressed as outs

PO - Putouts

A - Assists

E - Errors

DP - Double Plays

TP - Triple Plays

PB - Passed Balls

SB - Stolen Bases allowed (by catcher)

CS - Caught Stealing (by catcher)

Appearances

yearID - Year

teamID - Team

lgID - League

playerID - Player ID code

G_all - Total games played

GS - Games started

G_batting - Games in which player batted

G_defense - Games in which player appeared on defense

G_p - Games as pitcher

G_c - Games as catcher

G_1b - Games as firstbaseman

G_2b - Games as secondbaseman

G_3b - Games as thirdbaseman

G_ss - Games as shortstop

G_lf - Games as leftfielder

G_cf - Games as centerfielder

G_rf - Games as right fielder

G_of - Games as outfielder

G_dh - Games as designated hitter

G_ph - Games as pinch hitter

G_pr - Games as pinch runner

Schools

schoolID - school ID code

schoolName - school name

schoolCity - city where school is located

schoolState - state where school's city is located

schoolNick - nickname for school's baseball team

CollegePlaying

playerid - Player ID code

schoolID - school ID code

year - year

Addendum

[https://de.wikipedia.org/wiki/Baseball#Positionen_der_Defensive, 2019/01/20]

P - Pitcher (the one in the middle)

C - Catcher (the one behind the batter)

1B - First Baseman

2B - Second Baseman

3B - Third Baseman

SS - Short Stop (next to Second Baseman)

LF - Left Fielder

CF - Center Fielder

RF - Right Fielder