CPSC 537 Final Project

MLB Predictions Database Schema

player(playerID, nameFirst, nameList, weight, height, debutYear, finalyear)

bat(playerID, yearID, g, ab, r, h, twob, threeb, hr, rbi, sb, so)

pitching(playerID, yearID, w, l, pitch_g, pitch_gs, sho, sv, pitch_h, era, pitch_so, baopp)

fielder(playerID, yearID, pos, g, innouts, po, a, e)

allstarfull(playerID, yearID, gp, startingpos)

hof(playerID, yearID, inducted, category)

batpost(playerID, yearID, round, post_g, post_ab, post_r, post_h, post_twob, post_threeb, post_hr, post_rbi, post_sb, post_so)

pitchingpost(playerID, yearID, round, post_w, post_l, post_pitch_g, post_pitch_gs, post_sho, post_sv, post_pitch_h, post_era, post_pitch_so, post_baopp)

awardsplayers(playerID, awardID, yearID)

fielderpost(playerID, yearID, rouund, pos, post_g, post_innouts, post_po, post_a, post_e)

appearances(playerID, yearID, g, gs)

predictions(playerID, prob_hof)

Attribute Dictionary

Note that all postseason stats have the prefix "post_" with the attribute.

playerID	Player ID
yearID	Year ID
g	number of games played (as either a batter, pitcher or fielder)
gs	number of games started (as either a batter, pitcher or fielder)
ab	number of "at bats"
r	runs scored
h	hits
twob	doubles
threeb	triples
hr	home runs
rbi	runs batted in
sb	stolen bases
so	strike outs
w	wins
l	losses
pitch_g	number of games played (pitchers)
pitch_gs	number of games started (pitchers)
sho	shutouts
sv	saves
pitch_h	hits given up as a pitcher
era	earned run average
pitch_so	strike outs as a pitcher
baopp	opponent's batting average

pos	position
innouts	time played in field expressed as outs
po	putouts
a	assists
e	errors
gp	games played (All-Star games)
inducted	Whether a person was inducted into the Hall of Fame
category	Category in which a candidate for the Hall of Fame was honored. For this project, we focus on "Player", though there are other categories as well.
awardID	The type of award that a player wins
round	round of the postseason
prob_hof	The predicted probability that a player is elected into the Hall of Fame at the end of their career.