**Column Descriptions for Pitch Data**

inning – \_The inning in which the pitch occurred

is\_bottom – \_Indicator for either the top of bottom of the inning (1=bottom)

balls – \_number of balls in the count before the pitch

strikes – \_number of strikes in the count before the pitch

outs\_before – \_number of outs before the pitch

is\_lhp – \_indicates whether the pitcher is left-handed (1=yes)

is\_lhb – \_indicates whether the batter is batting from the left side (1=yes)

pitch\_type – \_indicates which pitch was thrown:

FF = 4-Seam Fastball

FT = 2-Seam Fastball

CB = Curveball

SL = Slider

CH = Changeup

bat\_score\_before – \_number of runs scored by the batting team before the pitch

field\_score – \_number of runs scored by the fielding team before the pitch

basecode\_before – \_base state before the pitch:

0 = no runners on base

1= runner on first base

2 = runner on second base

3 = runners on first and second base

4 = runner on third base

5 = runners on first and third base

6 = runners on second and third base

7 = runners on first, second, and third base

batterid – \_unique identifier for the batter

pitcherid – \_unique identifier for the pitcher

cid – \_unique identifier for the catcher