Glossary of Select Variables in Pitcher Removal Data

* start\_id – unique identifier for each starting pitcher’s appearance
* pbp\_idx – plate appearance index within each unique start
* game\_id – unique identifier for each game
* top\_bot – indicator variable for whether it is the top (“Y”) or bottom (“N”) half of the inning
* throws – pitcher’s handedness
* EventType – outcome of the plate appearance
* postouts – number of outs at the conclusion of the plate appearance
* post\_runner\_on\_first – indicator variable denoting if there is a runner on first base at the end of the plate appearance
* PostVisTeamScore – Visiting team’s score at the end of the plate appearance
* home\_away – variable denoting if the pitcher is on the home team or the away team
* pitches\_in\_pa – number of pitches thrown in this plate appearance
* pitch\_total – running total of how many pitches the pitcher has thrown, updated at the end of the plate appearance
* er\_total – running total of how many earned runs the pitcher has allowed, updated at the end of the plate appearance
* score\_diff – difference in runs scored between the pitcher’s team and the batting team
* total\_bases\_allowed – number of total bases the pitcher has allowed, updated at the end of the plate appearance
* next\_batter\_hand – handedness of the next batter due up at the end of the plate appearance
* opposite\_hand – indicator variable denoting if the pitcher and the upcoming batter have opposite handedness
* previously\_walk – indicator variable denoting if the pitcher walked the previous batter
* consec\_walk – indicator variable denoting if the pitcher walked the previous two batters
* last\_batter – the response variable, an indictor denoting if a plate appearance was the last of the pitcher’s start