Pitcher Analysis



MAJOR LEAGUE BASEBALL

Called Strikes Model

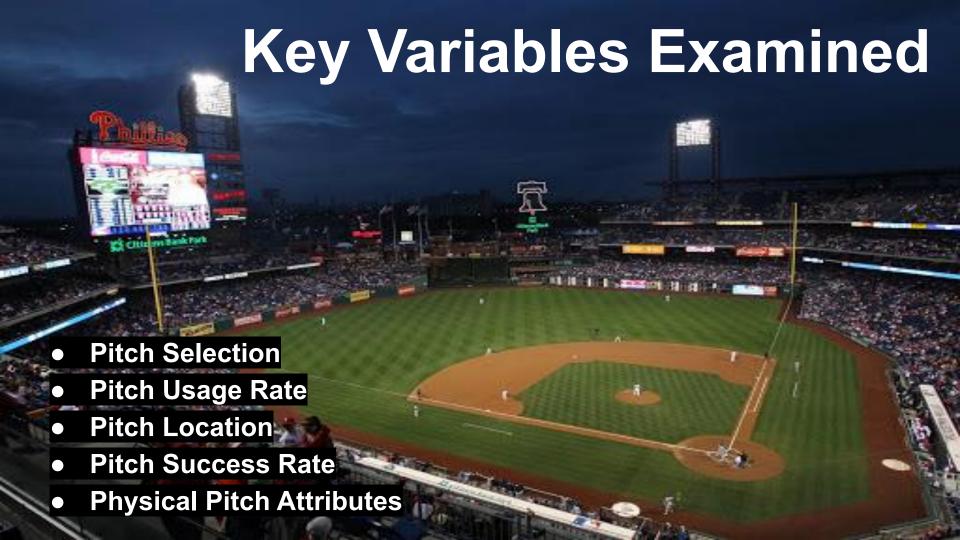
Michael Pallante



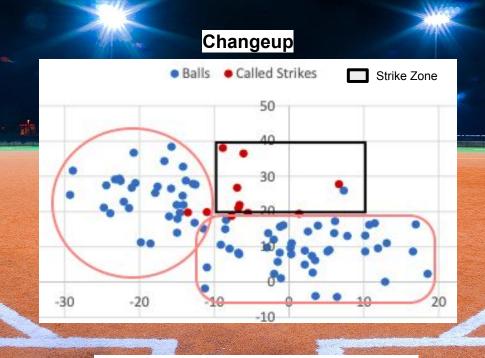
- Solve Pitcher 1's Post-All-Star Break struggles
- Solve Pitcher 2 and 3's Post-All-Star Break successes
- Build Called Strikes Model for improved pitching performance



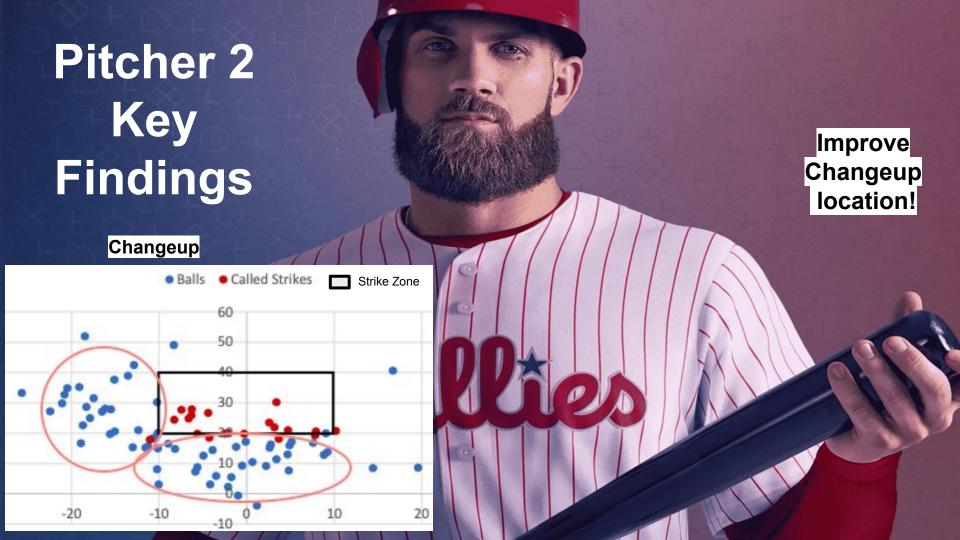




Pitcher 1 Key Findings

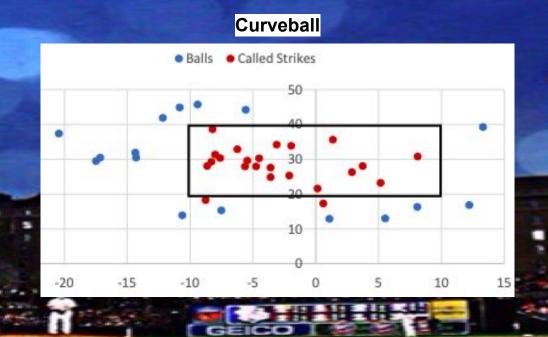


Improve Changeup location!



Pitcher 3 Key Findings

TROUT



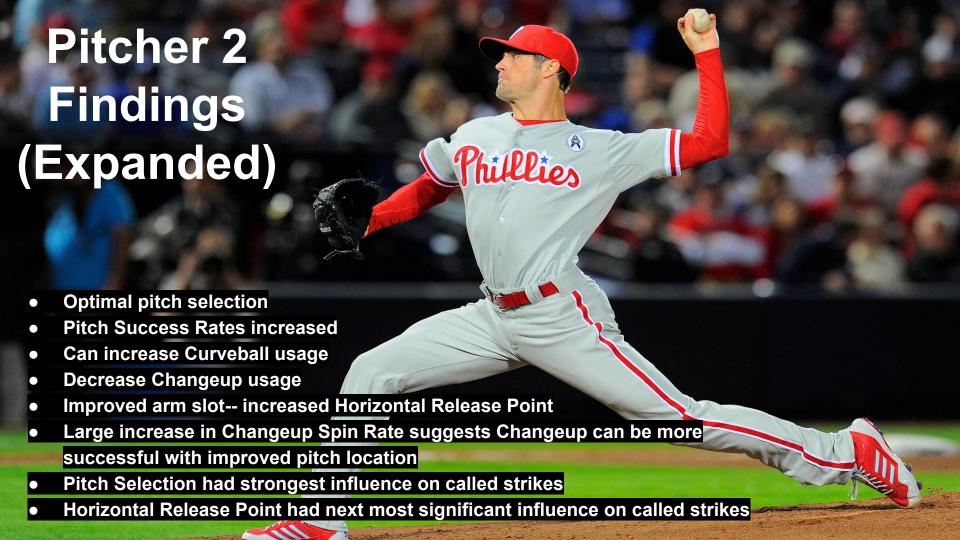
Use Curveball more!



Pitcher 1 Findings (Expanded)



- Throw more Curveballs-- Curveball has highest pitch success rate
 - Do not decrease usage of Four-Seam Fastball or Slider
 - Consider eliminating Changeup and Cutter from pitch selection
- Changeup may be salvageable pitch with improved pitch location
 - Pitch Selection had strongest influence on called strikes
- Horizontal Release Point had next most significant influence on called strikes
- Pitcher 1 had some bad luck-- numbers should've been better post-all-star break than they were





- Optimal pitch selection
- Pitch Success Rates increased
- Can benefit from adding strong 3rd pitch-- should increase Curveball usage, which has been effective with high Spin Rate
- Decrease Changeup usage
- Improved arm slot-- increased Horizontal Release Point
- Higher usage of Slider has helped to make Four-Seam

 Fastball more effective
- Pitch Selection had strongest influence on called strikes
- Horizontal Release Point had next most significant influence on called strikes