

## 1. Upload Video

Upload a bat swing video



# Bat Swing Analysis Demo

Analysis complete in 521.30 seconds! 🎉

Drag and drop file here  
Limit 200MB per file • MP...

[Browse files](#)

cricket\_sw... X  
122.5MB

## 2. Set Parameters

How to find 'Scale'  
(meters/pixel):

1. Measure an object of known length in your video (e.g., a bat about 1.0m).
2. Find its length in pixels (use any image editor).
3. Scale = Known Length (m) / Pixel Length Example:  
 $1.0m / 250px = 0.004$

Pixel-to-Meter Scale  
(meters/pixel)



0.0030



YOLO Model Path



runs/detect/train3/weight

Override Video FPS (0 = auto)



0



Run Analysis

## Swing Metrics

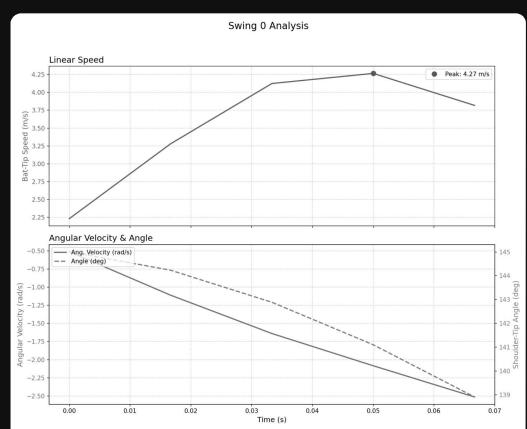
|    | video             | swing_id | start_frame | end_frame | duration_s | peak_speed_mps | peak_angular... |
|----|-------------------|----------|-------------|-----------|------------|----------------|-----------------|
| 4  | cricket.swing.mp4 | 4        | 448         | 456       | 0.13       | 11.25          |                 |
| 5  | cricket.swing.mp4 | 5        | 459         | 475       | 0.27       | 3.95           |                 |
| 6  | cricket.swing.mp4 | 6        | 772         | 782       | 0.17       | 10.49          |                 |
| 7  | cricket.swing.mp4 | 7        | 978         | 1009      | 0.52       | 8.78           |                 |
| 8  | cricket.swing.mp4 | 8        | 1034        | 1039      | 0.08       | 9.76           |                 |
| 9  | cricket.swing.mp4 | 9        | 1041        | 1047      | 0.10       | 10.19          |                 |
| 10 | cricket.swing.mp4 | 10       | 1050        | 1057      | 0.12       | 8.53           |                 |
| 11 | cricket.swing.mp4 | 11       | 1170        | 1177      | 0.12       | 8.73           |                 |
| 12 | cricket.swing.mp4 | 12       | 1301        | 1306      | 0.08       | 3.05           |                 |
| 13 | cricket.swing.mp4 | 13       | 1393        | 1415      | 0.37       | 73.10          |                 |

## Visualizations per Swing

### Swing 0



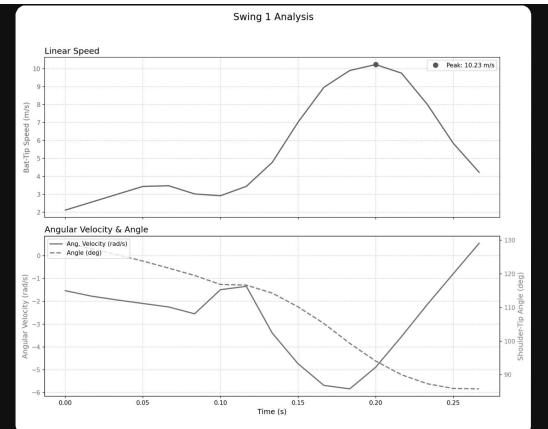
Swing Overlay



### Swing 1



Swing Overlay

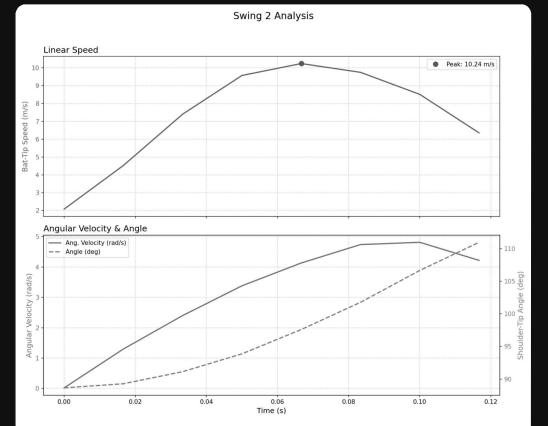


Swing Plots

## Swing 2



Swing Overlay

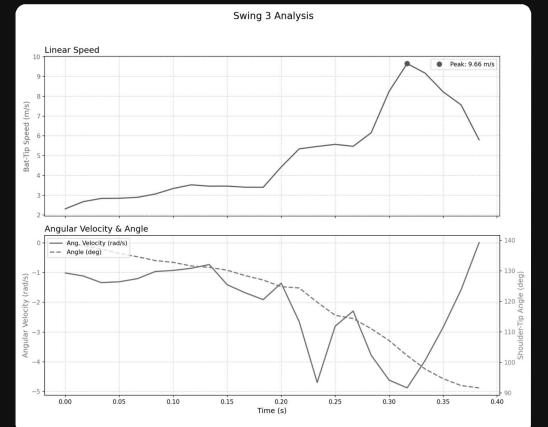


Swing Plots

## Swing 3



Swing Overlay

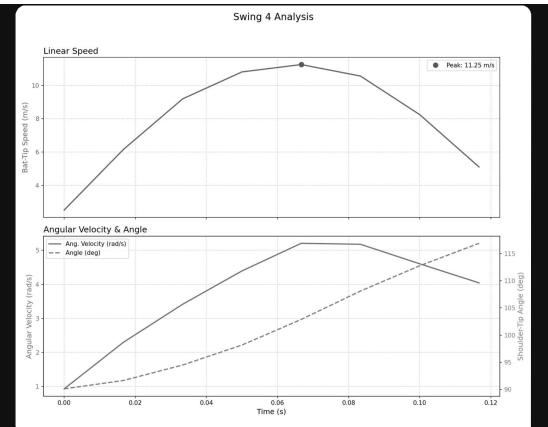


Swing Plots

## Swing 4



Swing Overlay

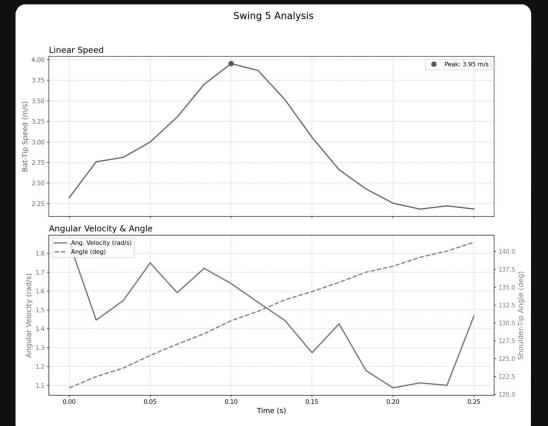


Swing Plots

## Swing 5



Swing Overlay

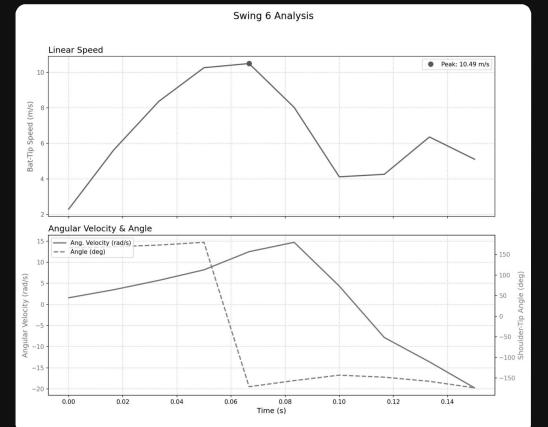


Swing Plots

## Swing 6



Swing Overlay

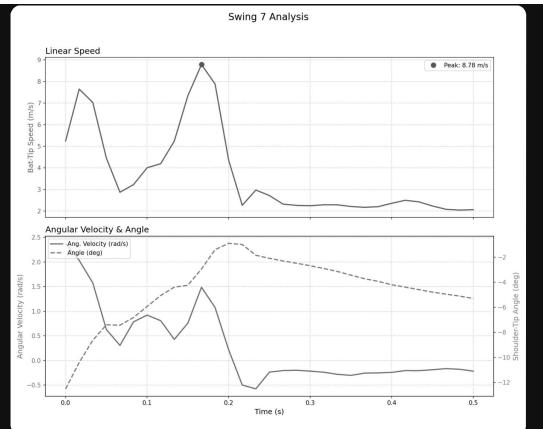


Swing Plots

## Swing 7



Swing Overlay

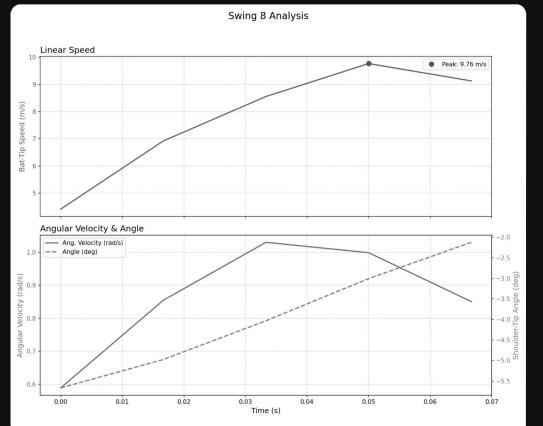


Swing Plots

## Swing 8



Swing Overlay

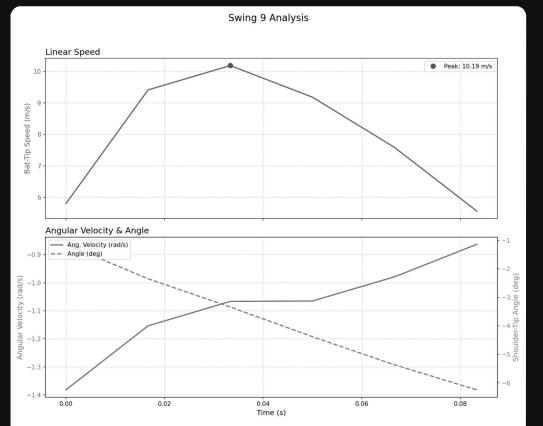


Swing Plots

## Swing 9



Swing Overlay

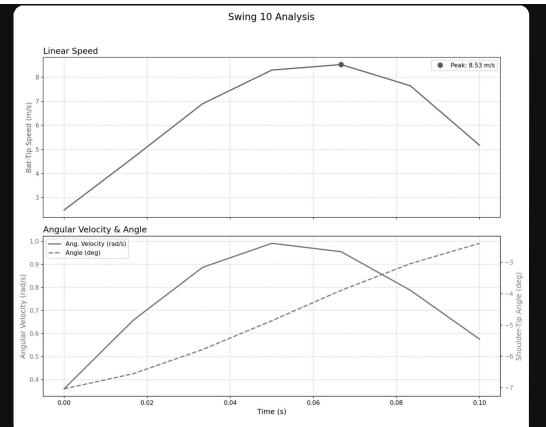


Swing Plots

## Swing 10



Swing Overlay

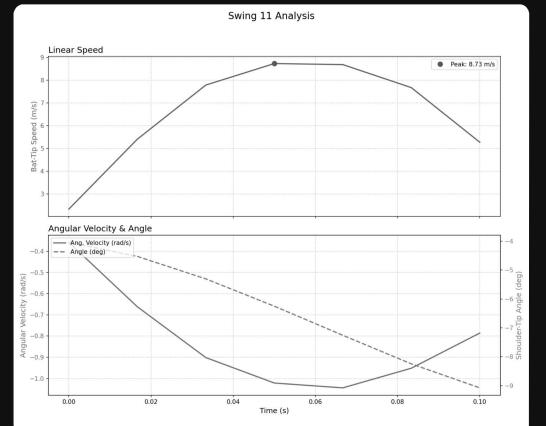


Swing Plots

## Swing 11



Swing Overlay

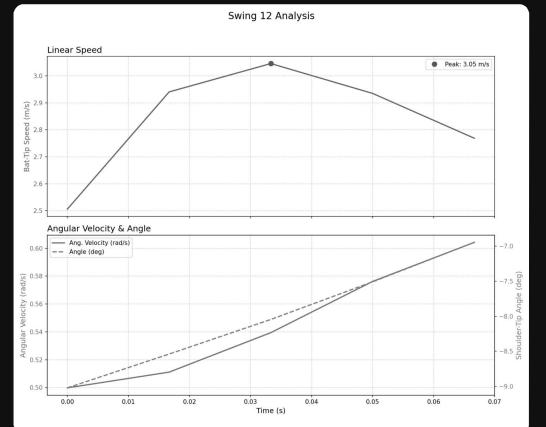


Swing Plots

## Swing 12



Swing Overlay



Swing Plots

## Swing 13



Swing Overlay

