Pre-pseudocode

Tasks (pre-pseudo-code)

1. Load a specified portion of a video (when object of interest is visible/active/etc)
2. For each frame of the video
   1. Identify the tennis ball
      1. Might need to “filter out” false positives
   2. Measure/obtain the position (coordinates) of the tennis ball
   3. Record the time stamp of the video frame
3. Plot the tennis ball position data versus time
4. Calculate the velocity and acceleration of the tennis ball
   1. Instantaneous numerical derivative
   2. Fit parabolic curve to position data, compute velocity from numerical derivative of curve fit