Jon's section:

Dan's section:

My part of the project is trying to track one (or hopefully all) monkeys as they move through the video.

From research, meanshift (specifically CamShift) looks like it will yield the best results for tracking a monkey in the videos. Blob testing has the ability of finding every monkey in the image, but requires a lot of fine tuning to find all monkeys, and seems to find a lot of false matches in rocks and bushes and the like.

CamShift requires you to input a box beforehand, which is a box around the object you want to track. My current plan of action is to use blob tracking (cv2.simpleBlobDetector) to find a bunch keypoints that are (hopefully) all monkeys, then try to extract correctly sized boxes around those monkeys based on their keypoint size. Then, I will attempt to track all of those found object throughout the video. The end output will most likely be a video with boxes inscribed over each tracked object.