

Rat Tracking System

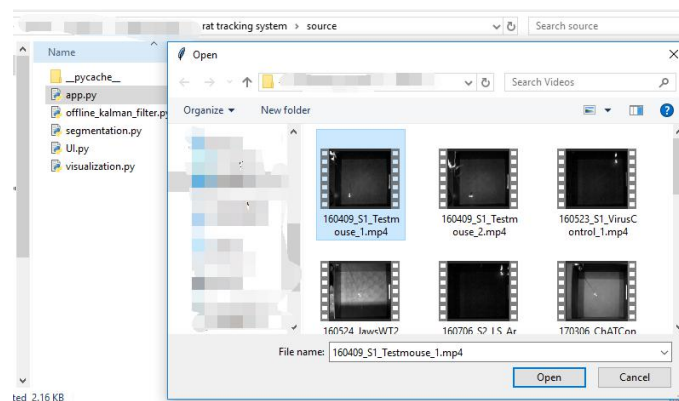
User Instruction

Files Info

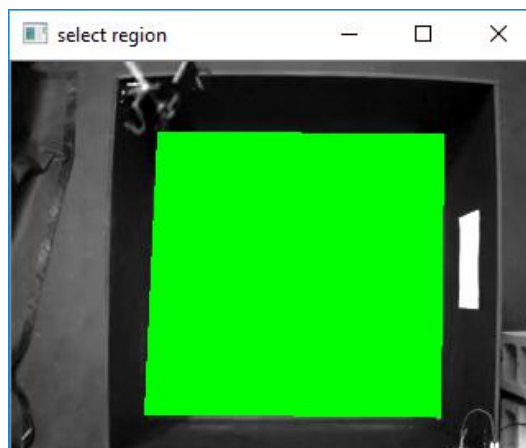
- **data:** store the prediction data of the rat's head (.mat format)
- **output:** visualized video frames
- **source:** program code (includes the main function app.py)

How to run the program

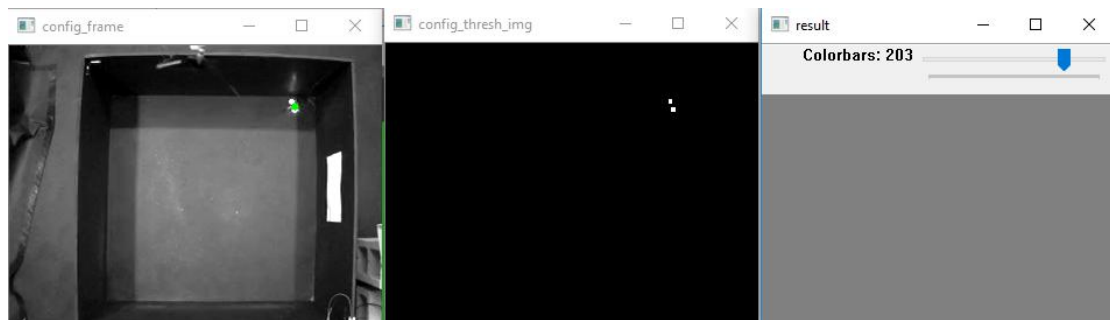
1. Open the app.py (under the source file)
2. Select the video



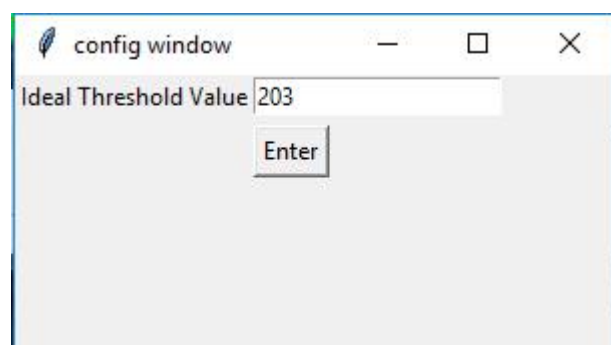
3. Select experimental space: left button click to draw, right button click to revoke the last operation



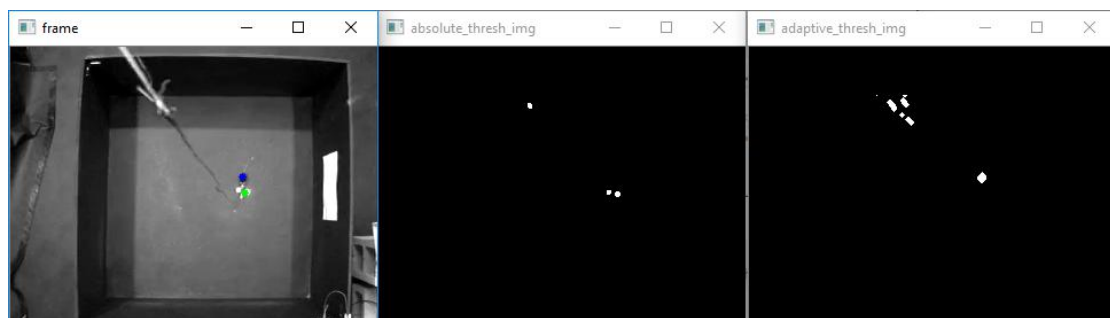
4. Adjust the threshold: choose the proper threshold parameter that only leaves the LED lights in the threshold frame



5. Input the parameter



6. The detection process starts at this point. You can double-check the output images to make sure the configurations work well through the video



7. After the detection process, there will be a prediction process (runs automatically)
8. Finally, the visualize video will be generated