

Command Line Mock-up

To run the command:

```
python rattracker.py
```

Then include these parameters after the command above. An example of a command line run is:

```
python rattracker.py -v /home/desktop/video.mp4 -r 30 -c #ff0023 -o /home/desktop/video_output  
-f TXT -p true
```

Parameters:

- v path of video files (multiple videos separated by space)
- r number of frames to skip
- c color of LEDs (value is either Red or Green)
- o directory of output file (default is the same directory as rattracker.py)
- p option to remove outliers from dataset; value is either true or false (default is false)

Creation and storage of intermediary/output files:

A blank document will be created at the beginning of the program in the location of -o. The name of the file will be the name of the corresponding input video with '-data' concatenated onto it. During the execution of the program, the values of the coordinates will be written to that file in the format specified in -f.

Errors:

Invalid input

Forget any output file