

Midterm Question 6

November 1, 2022

Part A

The following plots were generated with the code in recognition.py

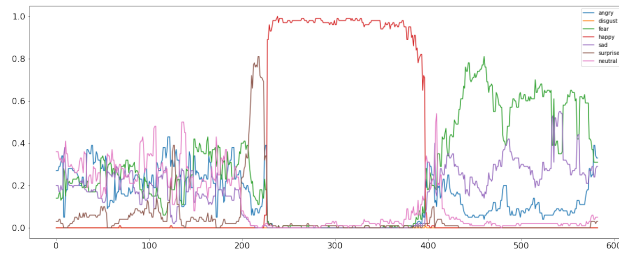


Figure 1: Plot for video one

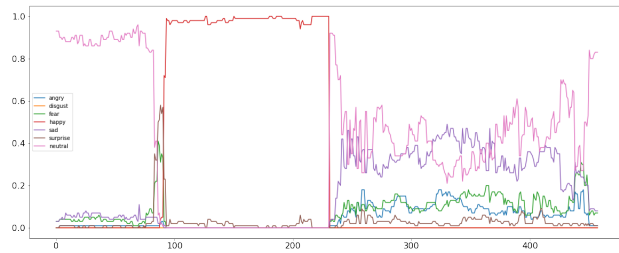


Figure 2: Plot for video one

Part B

In the test video I go from neutral to surprised, then to happy, then to sad/angry. The input file is testVid.mp4, and the output file is testVid_output.mp4

Part C

The logical application of this is to find out the emotions of a human, then use that information to change or record that state. This ai could potentially be used to make a lie detector, or other similar devices to be used in legal proceedings. As for moral consequences it could be used to make surveillance and other similar activities easier, since they could detect people to be watched based on emotional state.