Emotion Analytics with Face Recognition and Twitter

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Emotion Analytics From Face Image

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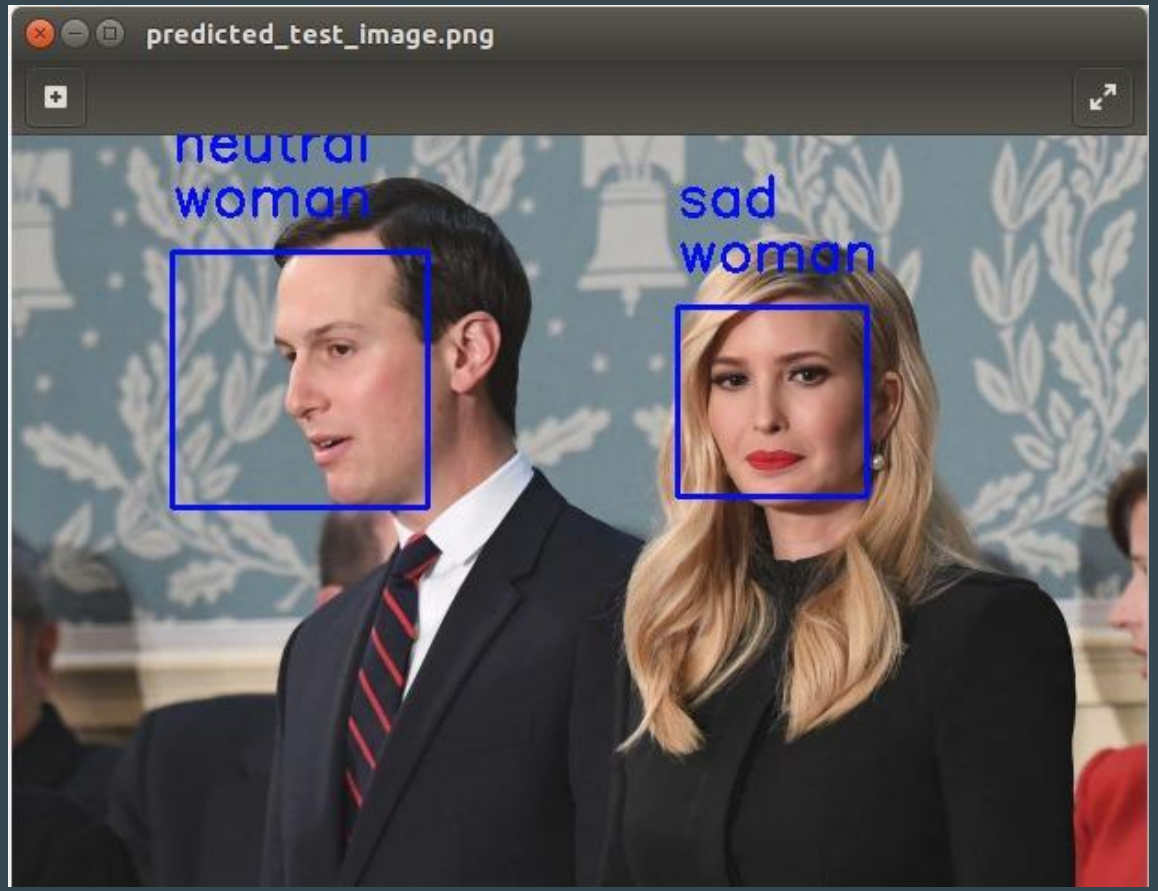

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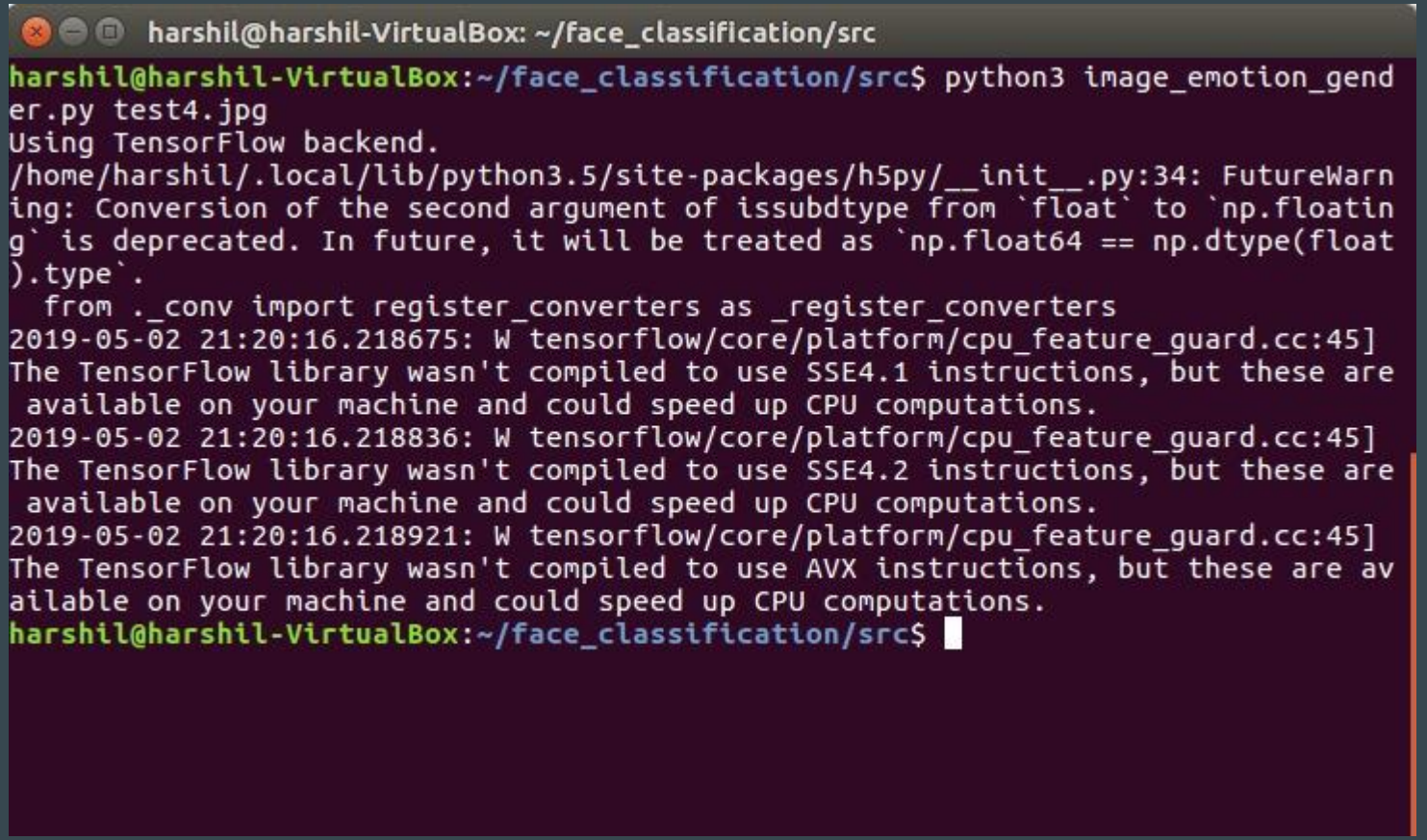

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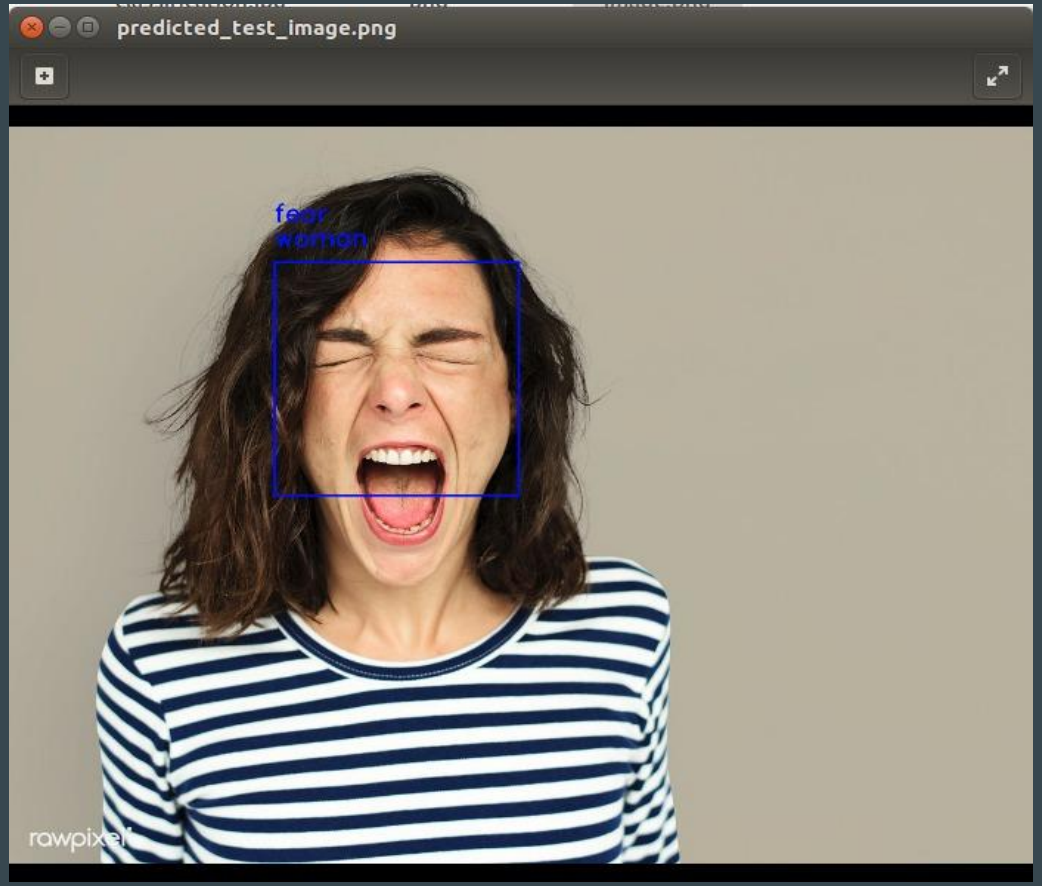
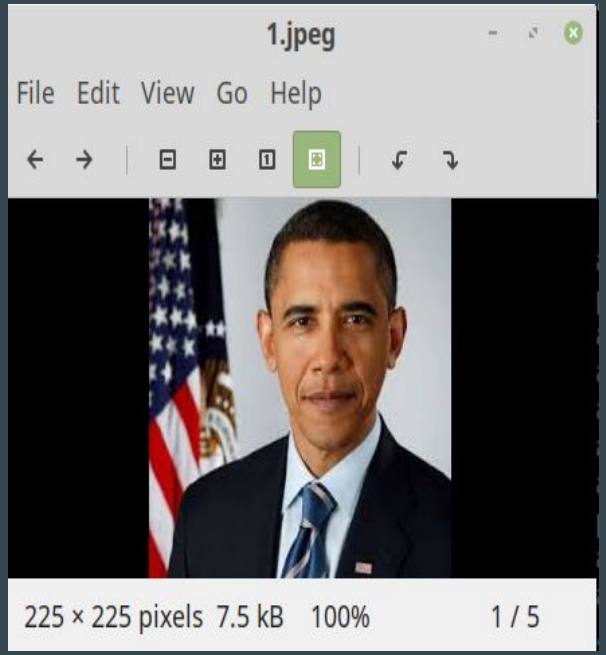
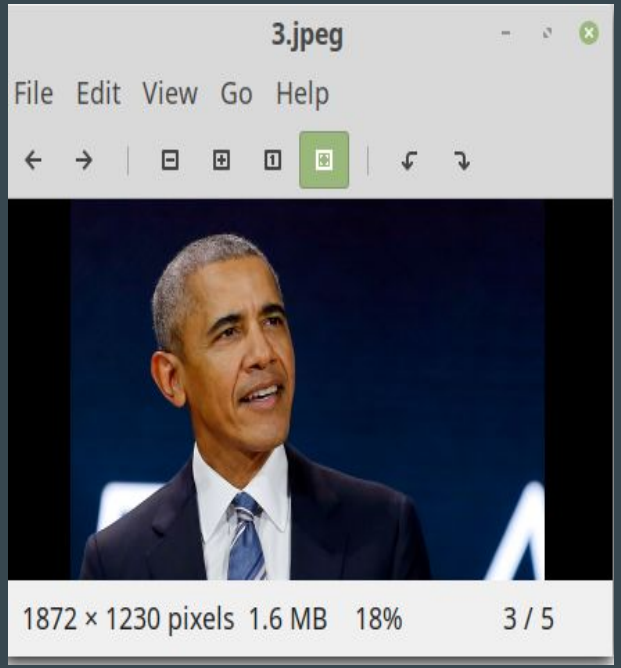
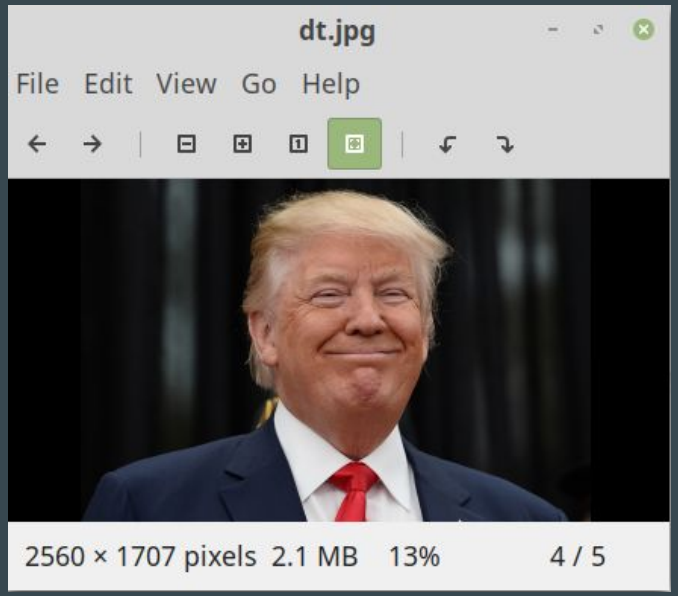


Emotion Analytics From Face Image - Training dataset





Face recognition with name mapping - Testing dataset



Face recognition with name mapping - Result

```
(iot_project) yong@workstation:~/Desktop/GitHome/IOT/Project$ python fr.py obama.jpg
Is the input face a picture of Obama? True
```

```
(iot_project) yong@workstation:~/Desktop/GitHome/IOT/Project$ python fr.py dt.jpg
Is the input face a picture of Obama? False
```

Sentiment analysis from tweets

```
yong@workstation:~/Desktop/GitHome/IOT/Project$ python3 tweet_polarity.py brycesub
Counter({'neutral': 106, 'positive': 59, 'negative': 34})
```

```
yong@workstation:~/Desktop/GitHome/IOT/Project$ python3 tweet_polarity.py realDonaldTrump
Counter({'positive': 77, 'neutral': 76, 'negative': 46})
```

```
yong@workstation:~/Desktop/GitHome/IOT/Project$ python3 tweet_polarity.py BarackObama
Counter({'positive': 120, 'neutral': 59, 'negative': 21})
```