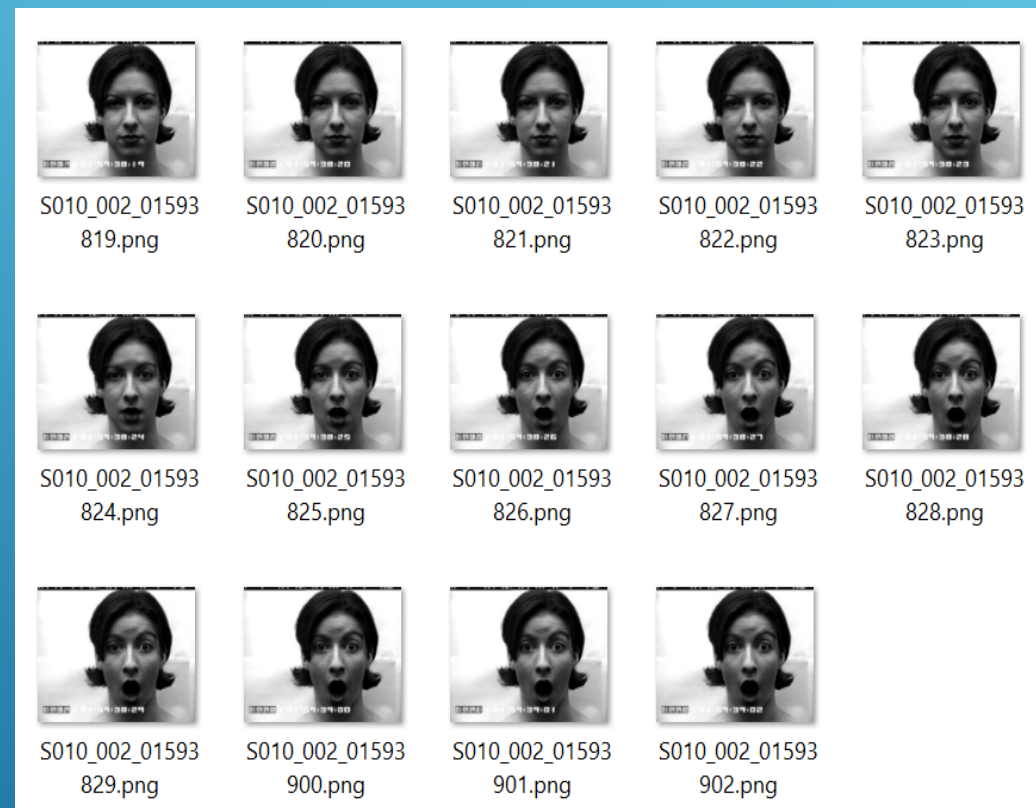
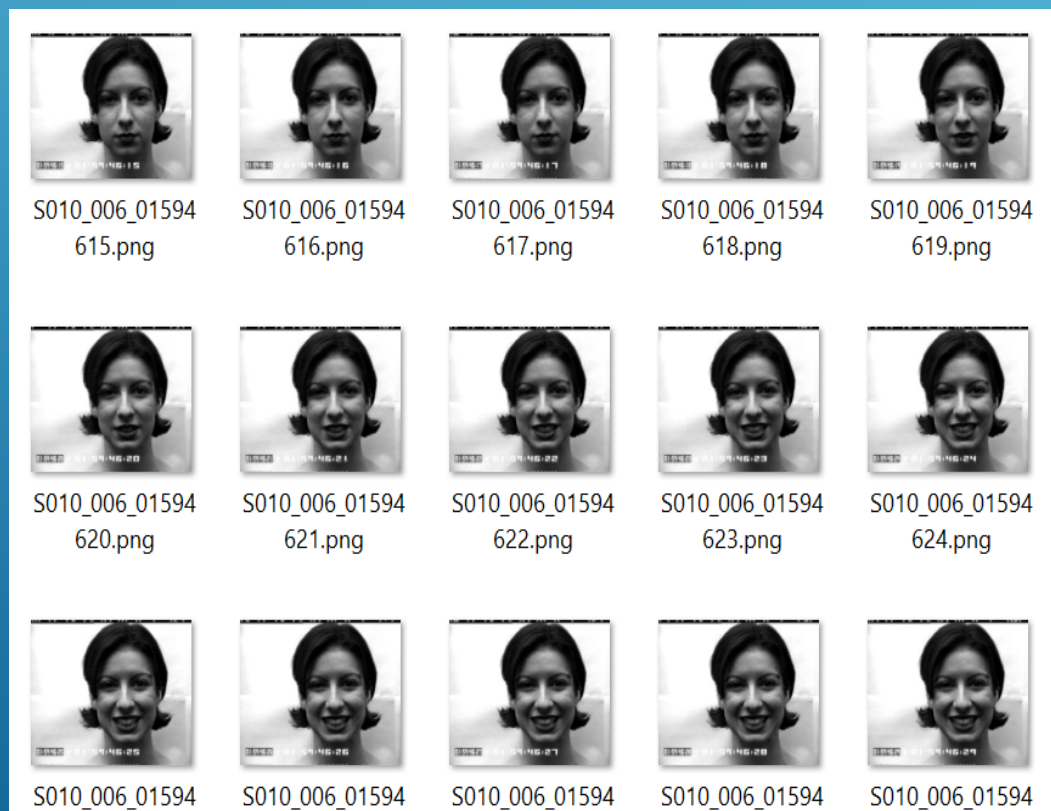




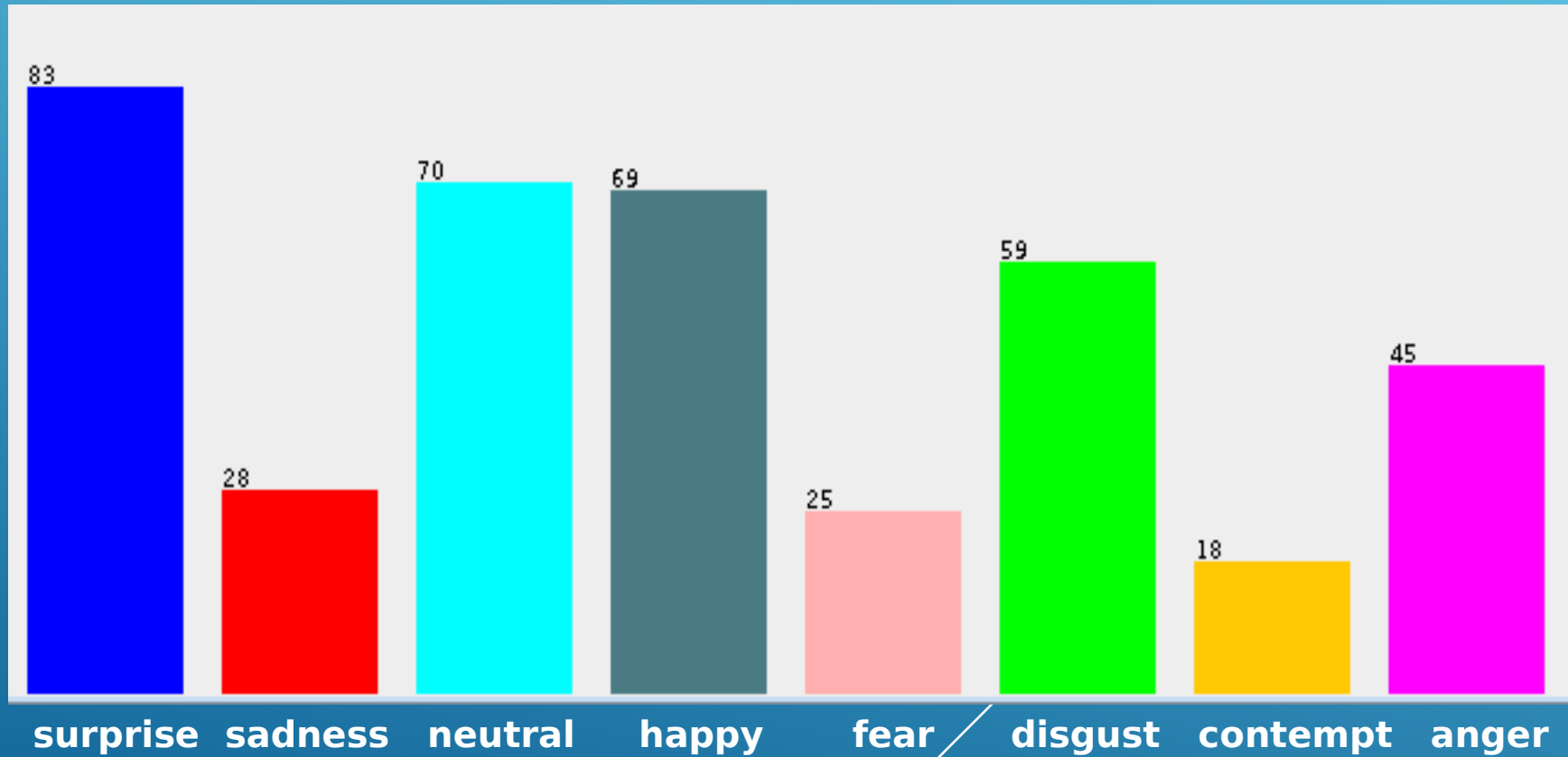
DATASET



DATASET

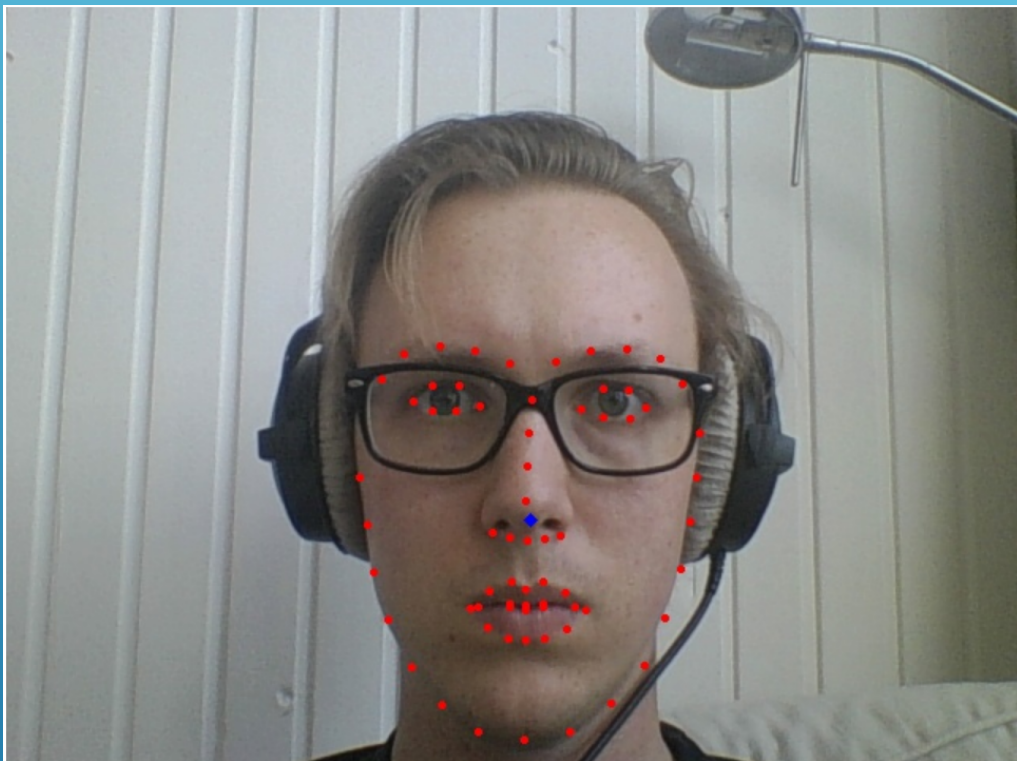
<http://www.consortium.ri.cmu.edu/data/ck/>

398 image files - etiketli data

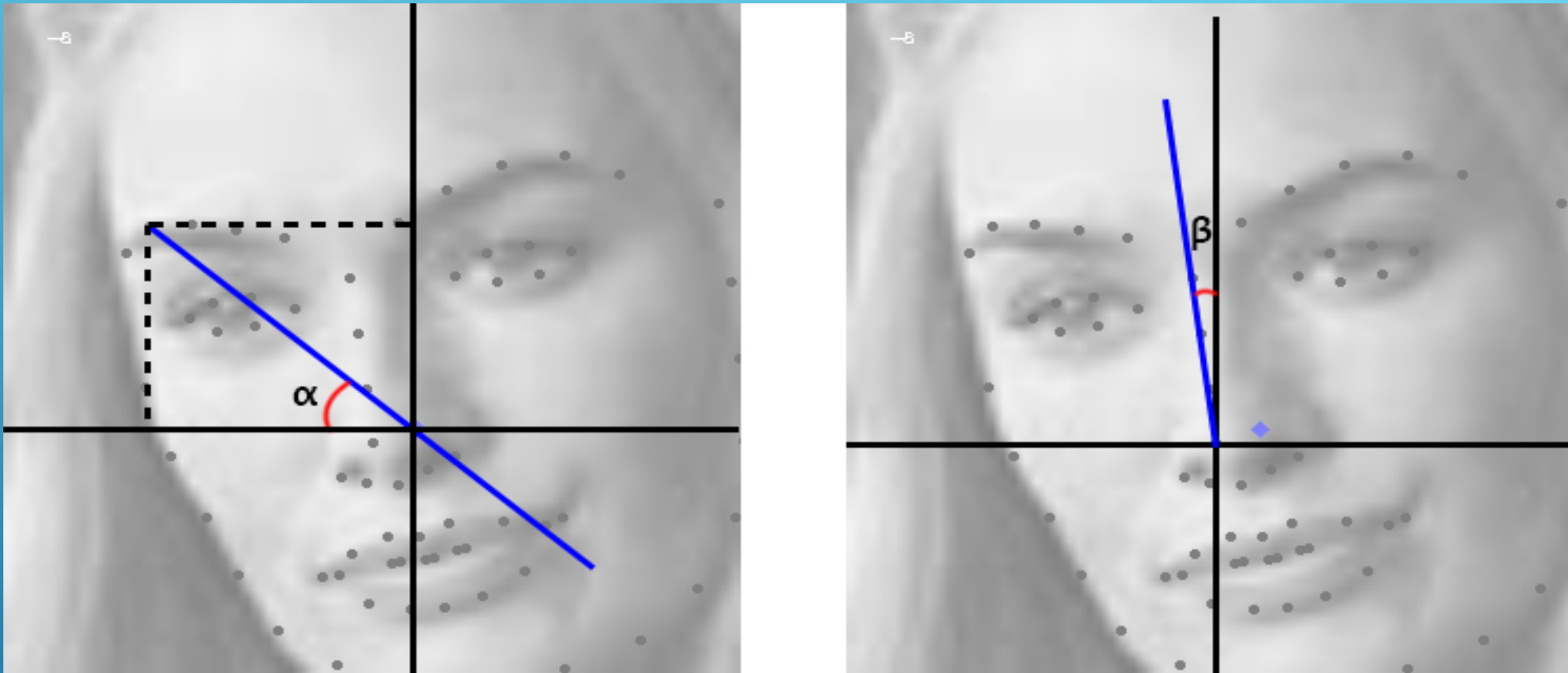


**Vggface tool is used
in order to extract
the landmarks from
the image pictures.**

Several thin, parallel white lines are drawn diagonally across the right side of the image, starting from the top right corner and extending towards the bottom left.

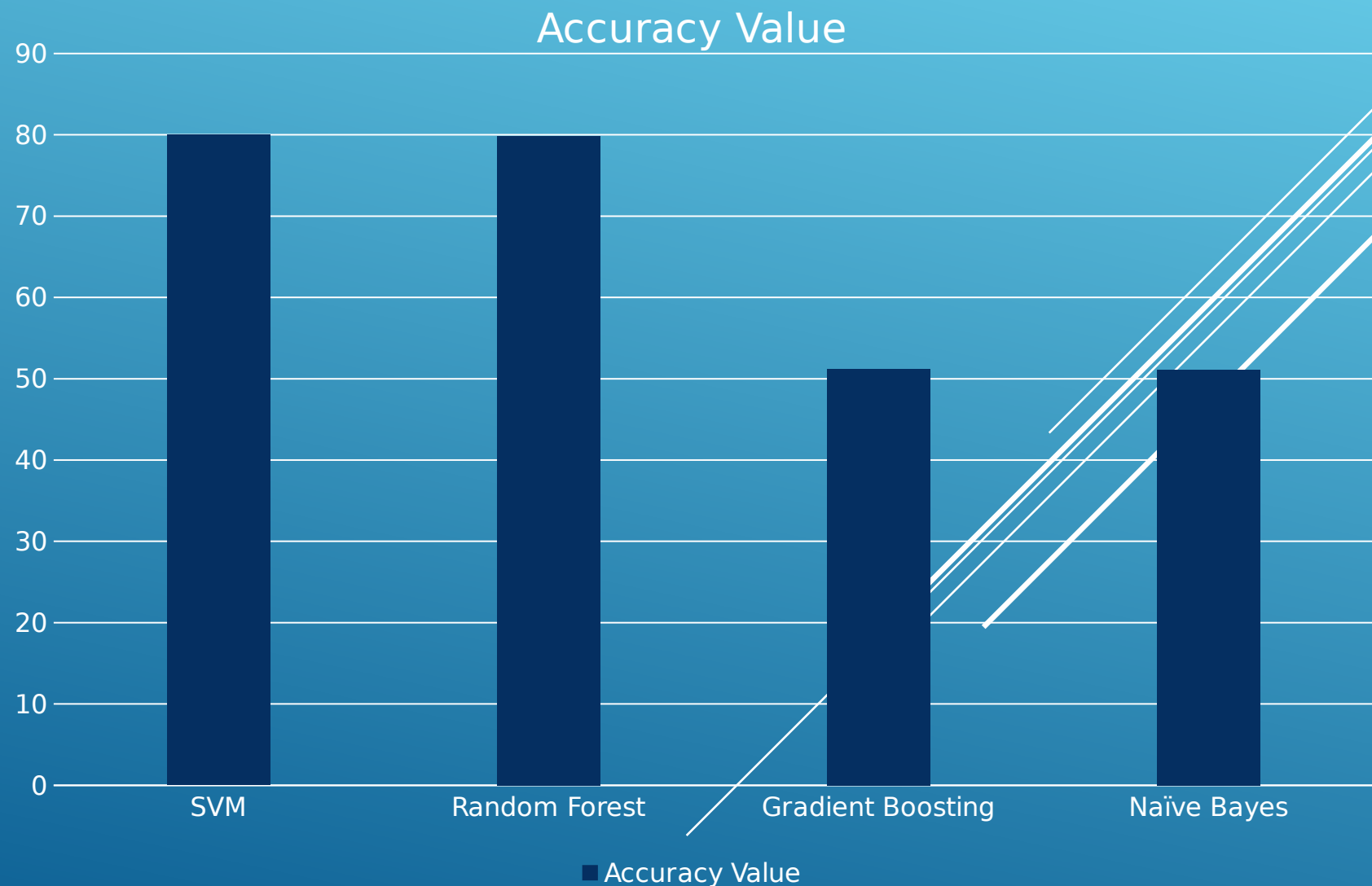


VECTORIZING



$$(\text{MATH.ATAN2}(Y, X) * 360) / (2 * \text{MATH.PI})$$

Machine Learning Techniques & Scores



Machine Learning Techniques & Scores

Learning rate: 0.1

Accuracy score (training): 0.865

Accuracy score (validation): 51.250

Confusion Matrix:

```
[[ 1  0  2  0  0  4  0  0]
 [ 2  1  0  0  0  1  0  0]
 [ 0  1  6  0  0  1  0  0]
 [ 0  0  0  1  5  0  0  2]
 [ 0  0  1  0  9  0  0  0]
 [ 3  3  1  1  0  5  2  0]
 [ 0  2  1  0  0  2  0  0]
 [ 2  0  0  0  0  2  1 18]]
```

Classification Report

	precision	recall	f1-score	support
anger	0.12	0.14	0.13	7
contempt	0.14	0.25	0.18	4
disgust	0.55	0.75	0.63	8
fear	0.50	0.12	0.20	8
happy	0.64	0.90	0.75	10
neutral	0.33	0.33	0.33	15
sadness	0.00	0.00	0.00	5
surprise	0.90	0.78	0.84	23
micro avg	0.51	0.51	0.51	80
macro avg	0.40	0.41	0.38	80
weighted avg	0.52	0.51	0.50	80