

TRAINING THE MODEL

C:\windows\system32\cmd.exe

```
Using TensorFlow backend.  
Found 34 images belonging to 3 classes.  
Found 9 images belonging to 3 classes.  
[+] Data successfully loaded
```

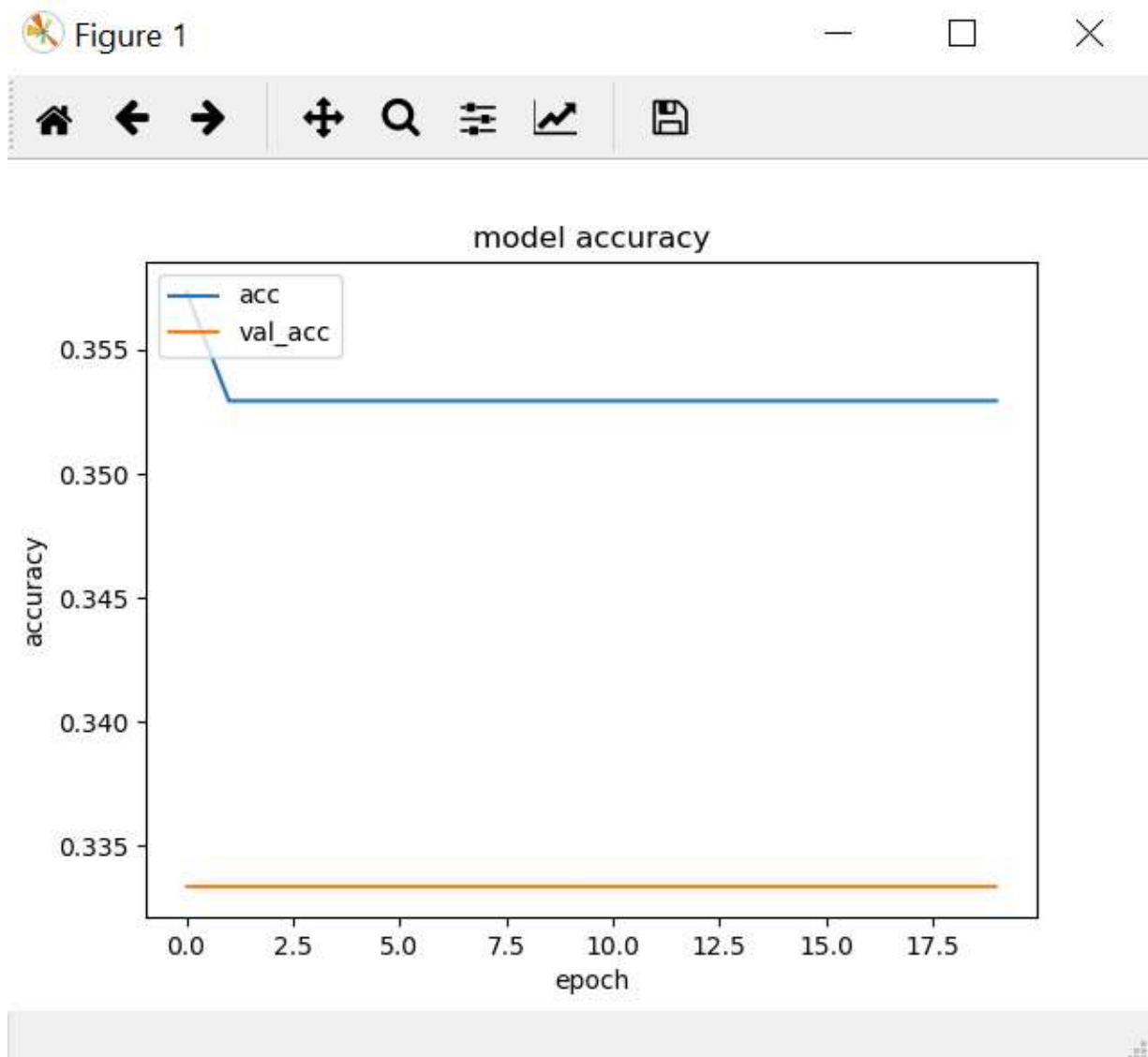
Select C:\windows\system32\cmd.exe

```
Epoch 1/20
20/20 [=====] - 24s 1s/step - loss: 1.9326 - acc: 0.3574 - val_loss: 1.0986 - val_acc: 0.3333
Epoch 2/20
20/20 [=====] - 15s 734ms/step - loss: 1.0984 - acc: 0.3529 - val_loss: 1.0986 - val_acc: 0.3333
Epoch 3/20
20/20 [=====] - 14s 725ms/step - loss: 1.0992 - acc: 0.3529 - val_loss: 1.0987 - val_acc: 0.3333
Epoch 4/20
20/20 [=====] - 14s 687ms/step - loss: 1.0973 - acc: 0.3529 - val_loss: 1.0989 - val_acc: 0.3333
Epoch 5/20
20/20 [=====] - 15s 764ms/step - loss: 1.0967 - acc: 0.3529 - val_loss: 1.0991 - val_acc: 0.3333
Epoch 6/20
20/20 [=====] - 17s 832ms/step - loss: 1.0963 - acc: 0.3529 - val_loss: 1.0994 - val_acc: 0.3333
Epoch 7/20
20/20 [=====] - 16s 823ms/step - loss: 1.0960 - acc: 0.3529 - val_loss: 1.0997 - val_acc: 0.3333
Epoch 8/20
20/20 [=====] - 15s 731ms/step - loss: 1.0957 - acc: 0.3529 - val_loss: 1.1000 - val_acc: 0.3333
Epoch 9/20
20/20 [=====] - 12s 597ms/step - loss: 1.0955 - acc: 0.3529 - val_loss: 1.1003 - val_acc: 0.3333
Epoch 10/20
20/20 [=====] - 13s 627ms/step - loss: 1.0954 - acc: 0.3529 - val_loss: 1.1007 - val_acc: 0.3333
Epoch 11/20
```

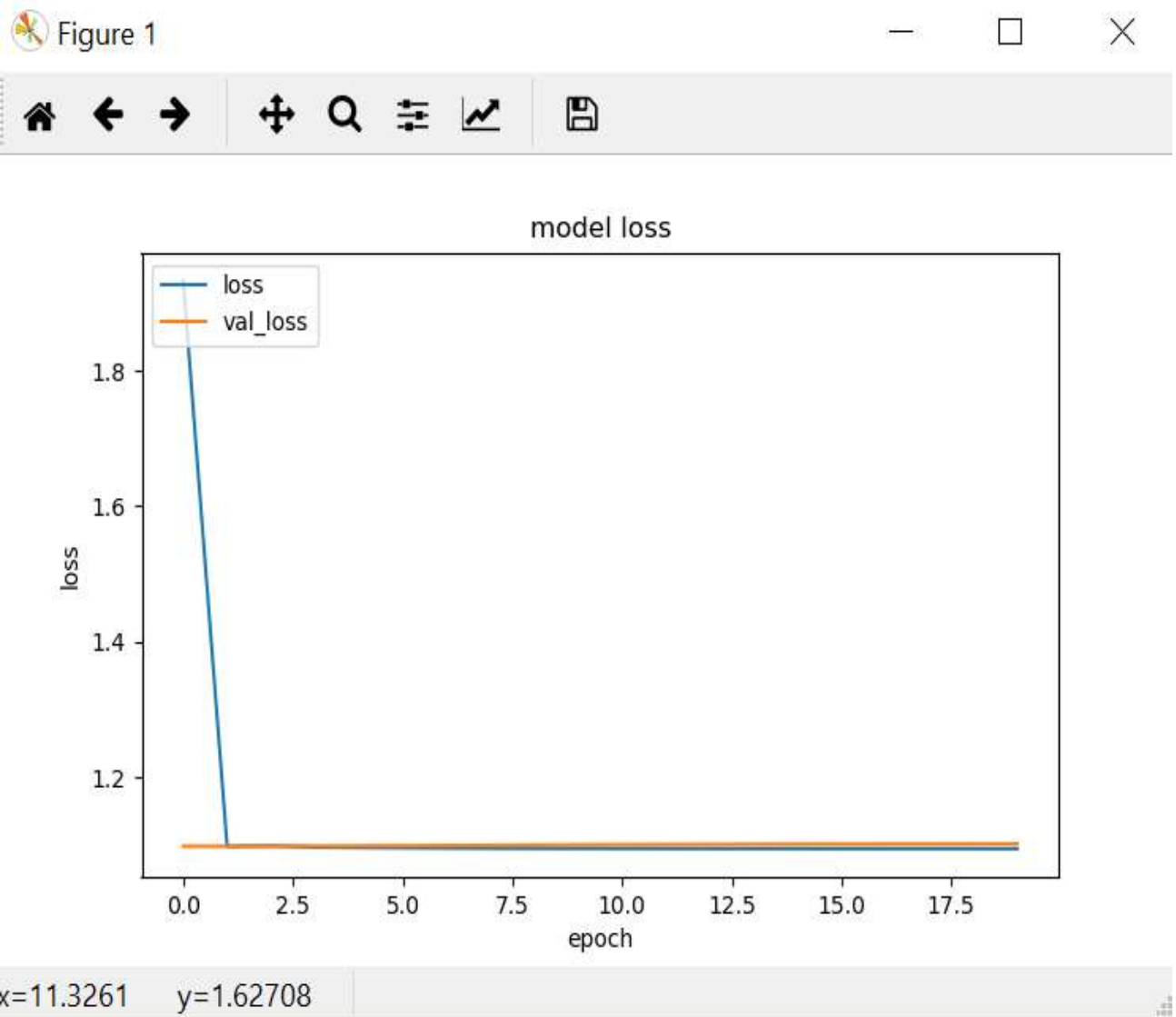
Select C:\windows\system32\cmd.exe

```
Epoch 11/20
20/20 [=====] - 16s 793ms/step - loss: 1.0953 - acc: 0.3529 - val_loss: 1.1009 - val_acc: 0.3333
Epoch 12/20
20/20 [=====] - 16s 814ms/step - loss: 1.0952 - acc: 0.3529 - val_loss: 1.1012 - val_acc: 0.3333
Epoch 13/20
20/20 [=====] - 16s 803ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1014 - val_acc: 0.3333
Epoch 14/20
20/20 [=====] - 17s 838ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1016 - val_acc: 0.3333
Epoch 15/20
20/20 [=====] - 17s 840ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1017 - val_acc: 0.3333
Epoch 16/20
20/20 [=====] - 17s 832ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1018 - val_acc: 0.3333
Epoch 17/20
20/20 [=====] - 16s 808ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1019 - val_acc: 0.3333
Epoch 18/20
20/20 [=====] - 16s 818ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1020 - val_acc: 0.3333
Epoch 19/20
20/20 [=====] - 17s 827ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1021 - val_acc: 0.3333
Epoch 20/20
20/20 [=====] - 18s 901ms/step - loss: 1.0951 - acc: 0.3529 - val_loss: 1.1021 - val_acc: 0.3333
dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
```

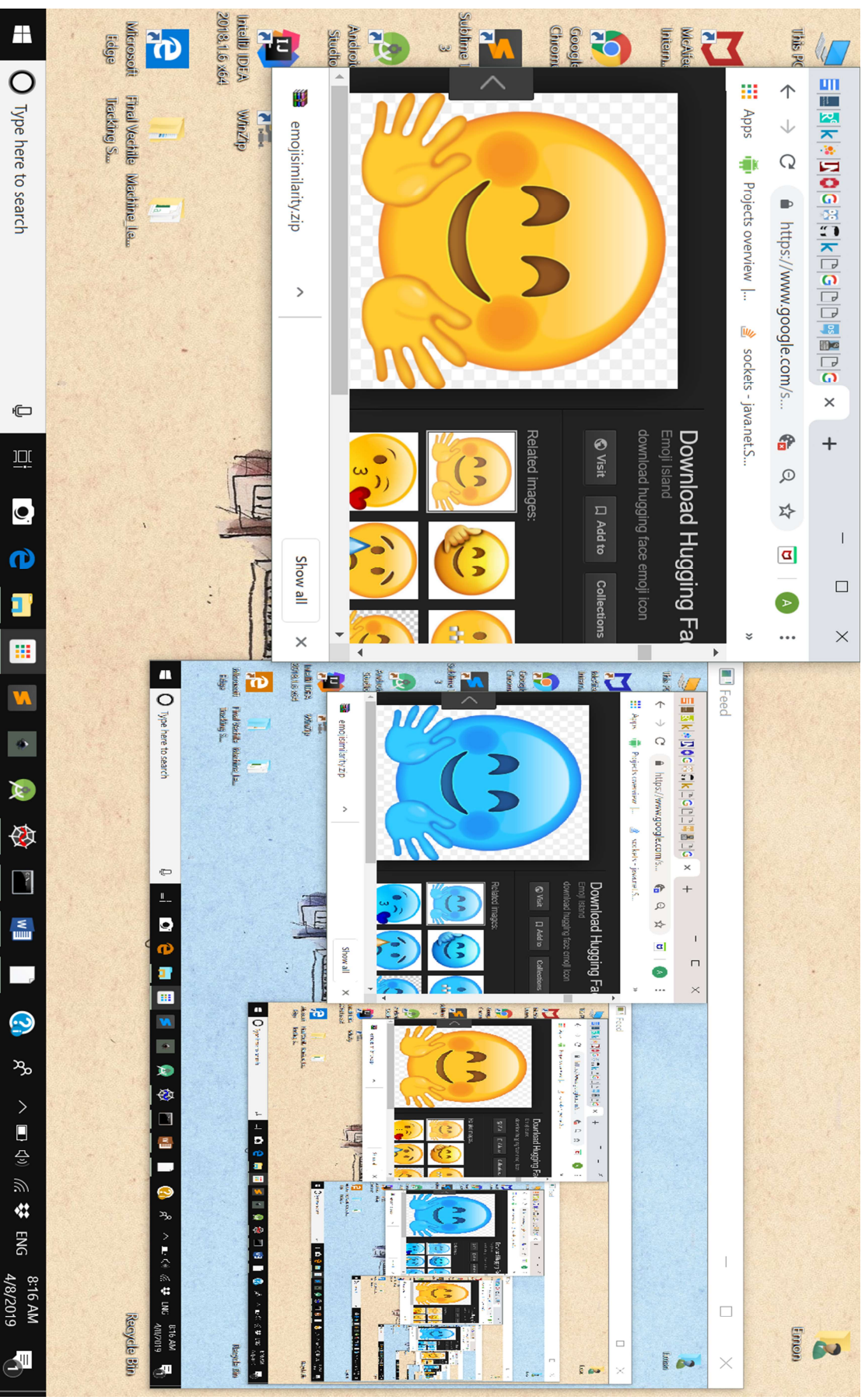
EPOCH VS ACCURACY GRAPH



EPOCH VS LOSS GRAPH



LIVE FEED WINDOW



PREDICTION

C:\windows\system32\cmd.exe

```
[+] Training completed in 36.885 minutes
Do you want to save the model? (y/N) n
[+] Prediction successfully completed
It is negative with 35.2667510509491% likelihood!
It is neutral with 29.471462965011597% likelihood!
It is positive with 35.26178300380707% likelihood!
[+] Beginning evaluation of model...
[+] Evaluation successful! (0.010042783333333333 seconds)
On evaluation, metrics were as follows:
    loss: 110.21159887313843
    acc: 33.33333432674408
>>>
```