Report

Keras

```
                                   Model: "model"

 Layer (type)                    Output Shape                  Param #
=================================================================================================
 input_1 (InputLayer)            [(None, 12, 12, 3)]           0

 conv2d (Conv2D)                 (None, 12, 12, 16)            448

 activation (Activation)         (None, 12, 12, 16)            0

 max_pooling2d (MaxPooling2D)    (None, 6, 6, 16)              0

 dropout (Dropout)               (None, 6, 6, 16)              0

 conv2d_1 (Conv2D)               (None, 6, 6, 32)              4640

 activation_1 (Activation)       (None, 6, 6, 32)              0

 max_pooling2d_1 (MaxPooling2D)  (None, 3, 3, 32)              0

 dropout_1 (Dropout)             (None, 3, 3, 32)              0

 conv2d_2 (Conv2D)               (None, 3, 3, 64)              18496

 activation_2 (Activation)       (None, 3, 3, 64)              0

 max_pooling2d_2 (MaxPooling2D)  (None, 1, 1, 64)              0

 dropout_2 (Dropout)             (None, 1, 1, 64)              0

 flatten (Flatten)               (None, 64)                    0

 dense (Dense)                   (None, 10)                    650

 activation_3 (Activation)       (None, 10)                    0
=================================================================================================
                            Total params: 24,234
                            Trainable params: 24,234
                            Non-trainable params: 0
```
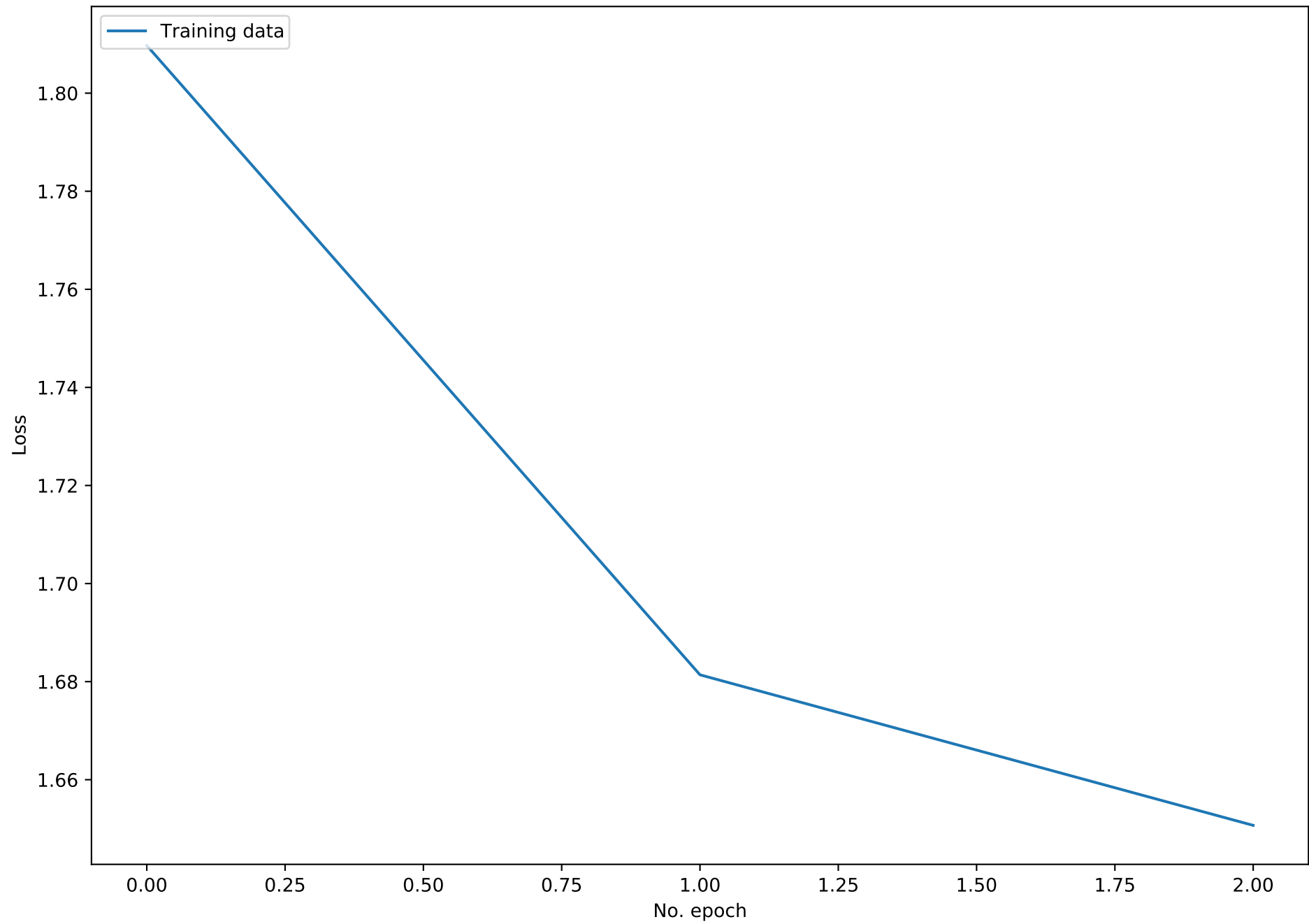
Model architecture

InputLayer Conv2D Activation MaxPooling2D Dropout Flatten Dense

Training losses

Test data confusion matrix

Train data confusion matrix