Report

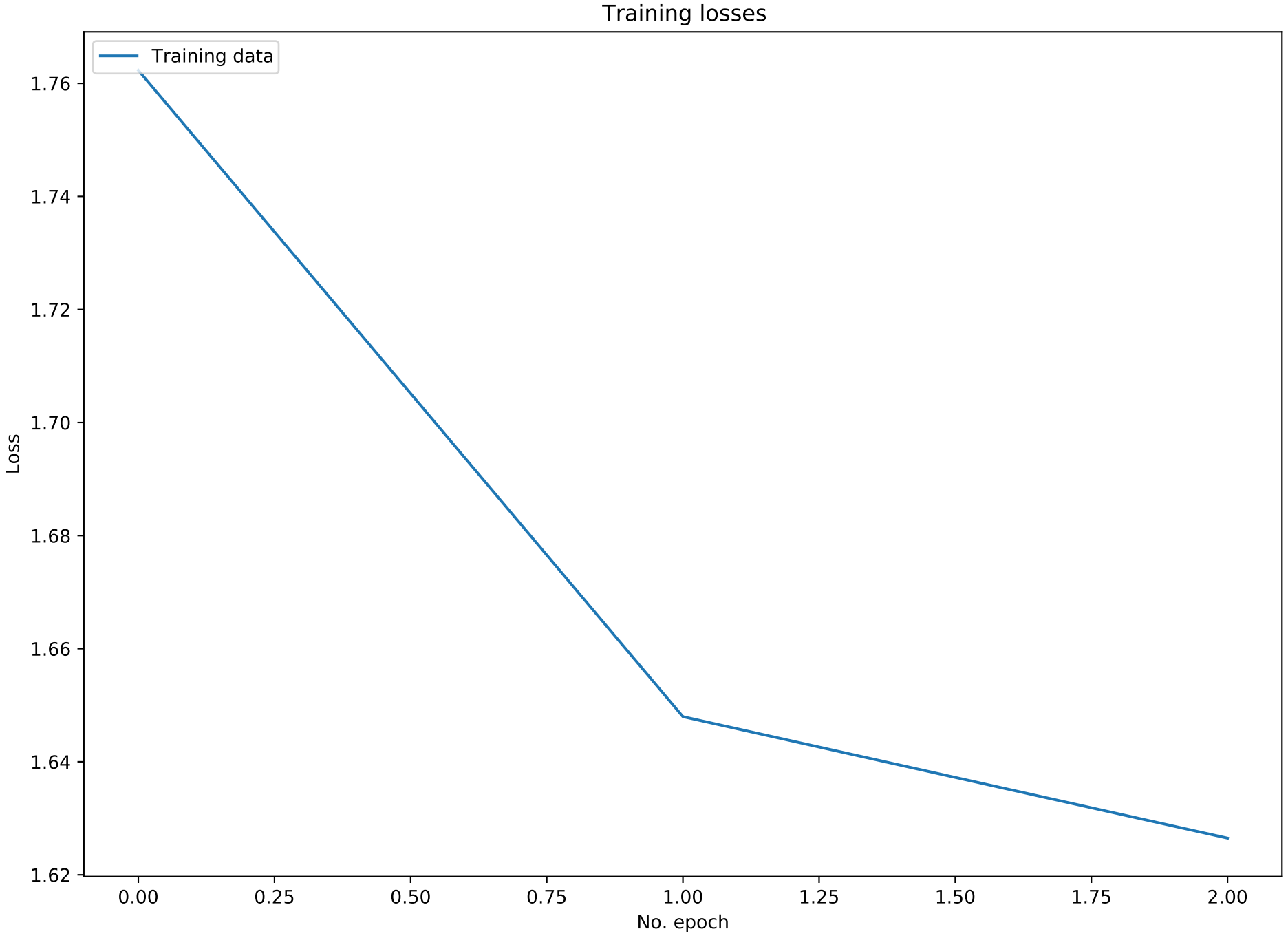
Keras

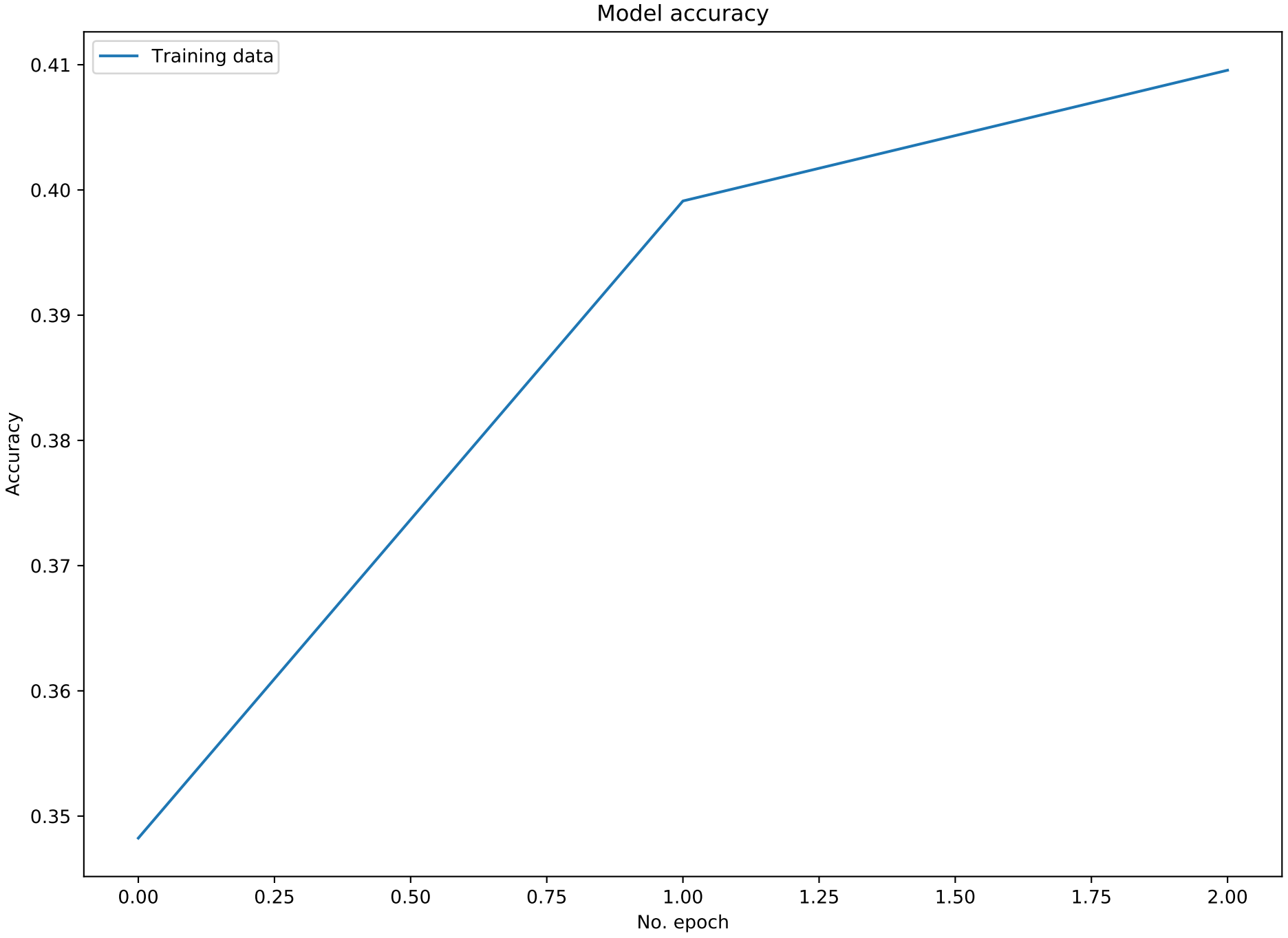
Model: "model"

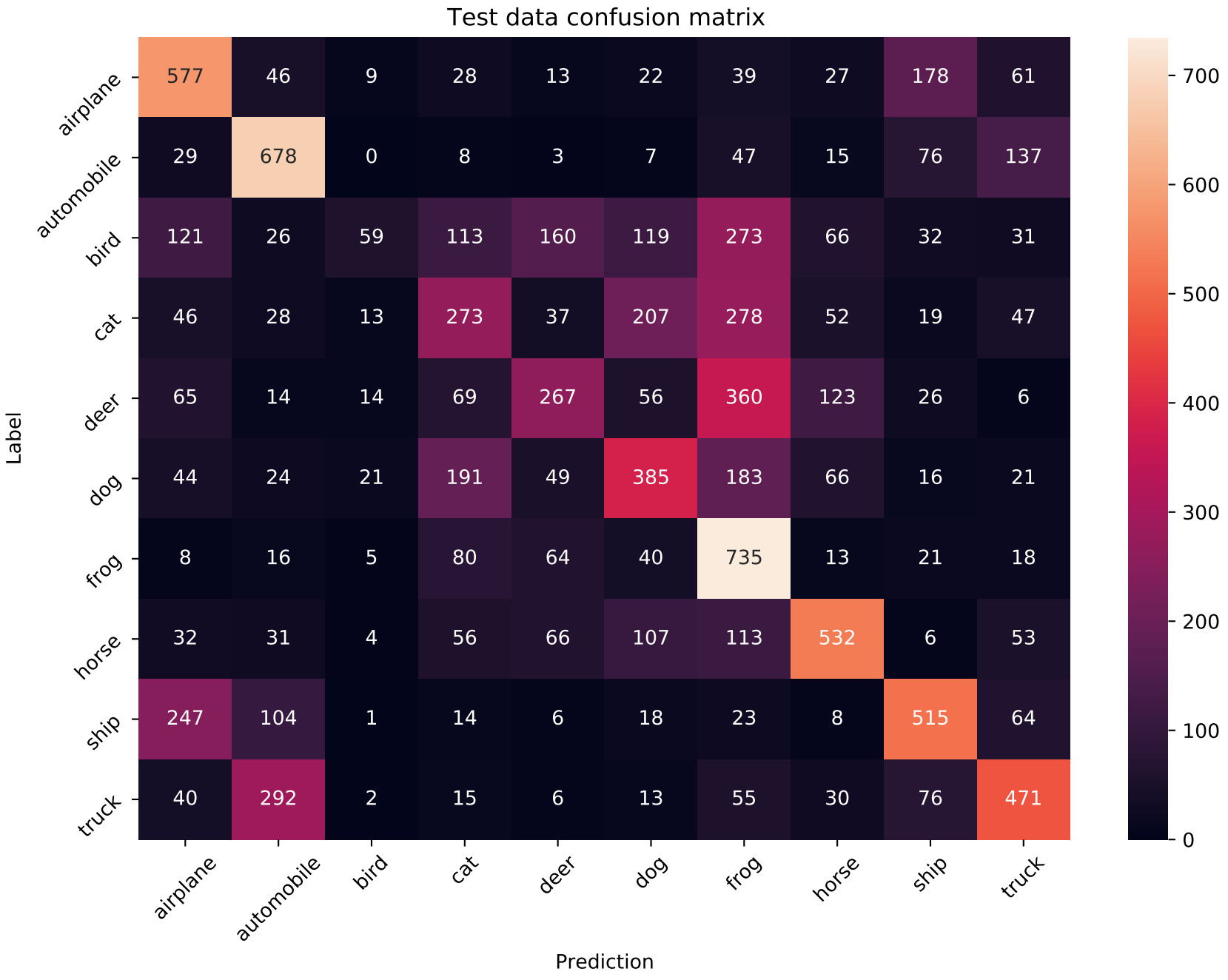
Layer (type)	Output Shape	Param #
input_1 (InputLayer)	[(None, 12, 12, 3)]	0
conv2d (Conv2D)	(None, 12, 12, 16)	448
activation (Activation)	(None, 12, 12, 16)	0
max_pooling2d (MaxPooling2D)	(None, 6, 6, 16)	0
dropout (Dropout)	(None, 6, 6, 16)	0
conv2d_1 (Conv2D)	(None, 6, 6, 32)	4640
activation_1 (Activation)	(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

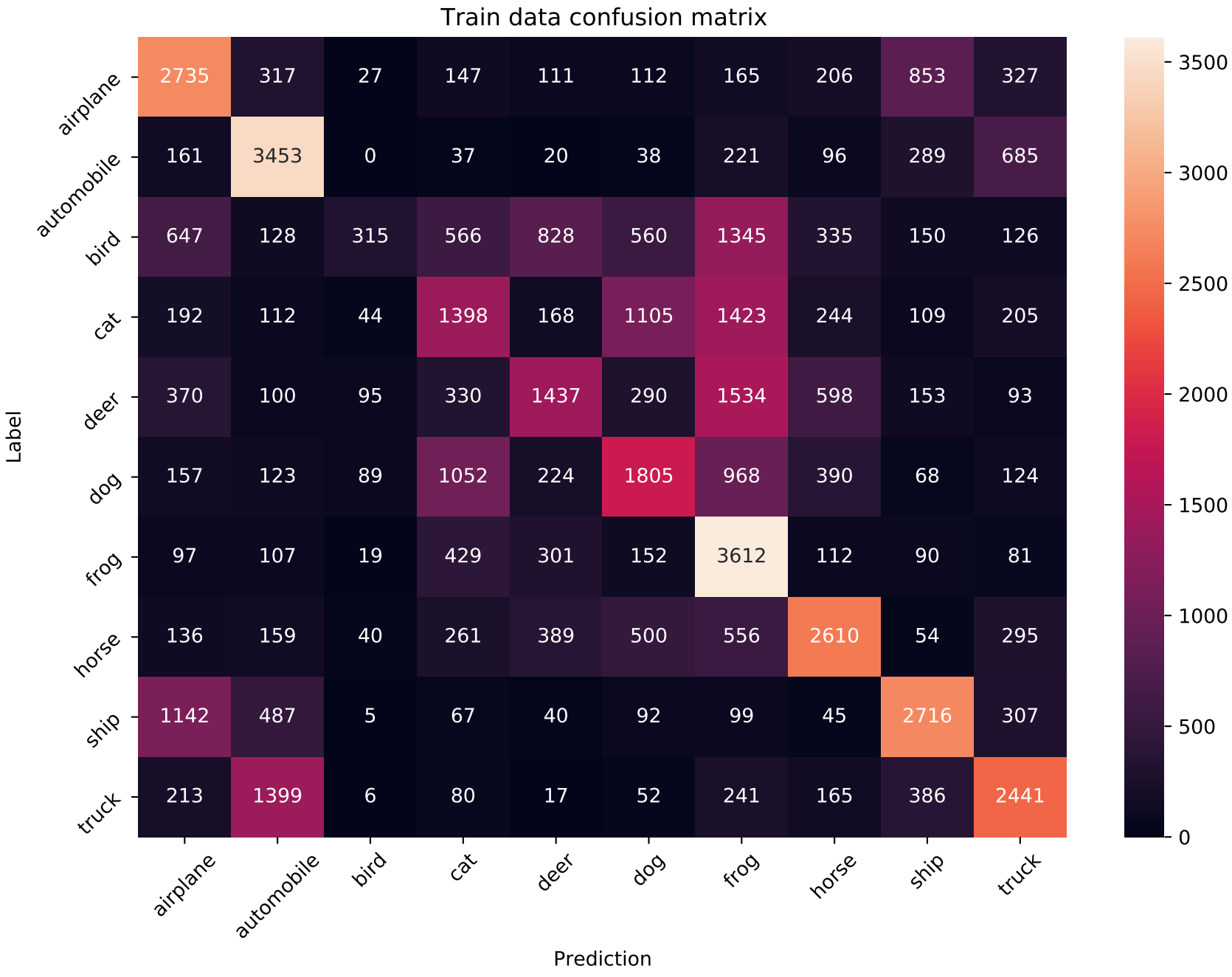
Total params: 24,234
Trainable params: 24,234
Non-trainable params: 0

Model architecture


Training losses
Training data
1.76
1.74
1.72
1.70
1.68
1.66
1.64
1.62
Loss
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
No. epoch


Model accuracy
Training data
0.41
0.40
0.39
0.38
0.37
0.36
0.35
Accuracy
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
No. epoch


Test data confusion matrix
Label
Prediction
airplane
automobile
bird
cat
deer
dog
frog
horse
ship
truck
577 46 9 28 13 22 39 27 178 61
29 678 0 8 3 7 47 15 76 137
121 26 59 113 160 119 273 66 32 31
46 28 13 273 37 207 278 52 19 47
65 14 14 69 267 56 360 123 26 6
44 24 21 191 49 385 183 66 16 21
8 16 5 80 64 40 735 13 21 18
32 31 4 56 66 107 113 532 6 53
247 104 1 14 6 18 23 8 515 64
40 292 2 15 6 13 55 30 76 471
700
600
500
400
300
200
100
0


Train data confusion matrix
Label
Prediction
airplane
automobile
bird
cat
deer
dog
frog
horse
ship
truck
2735 317 27 147 111 112 165 206 853 327
161 3453 0 37 20 38 221 96 289 685
647 128 315 566 828 560 1345 335 150 126
192 112 44 1398 168 1105 1423 244 109 205
370 100 95 330 1437 290 1534 598 153 93
157 123 89 1052 224 1805 968 390 68 124
97 107 19 429 301 152 3612 112 90 81
136 159 40 261 389 500 556 2610 54 295
1142 487 5 67 40 92 99 45 2716 307
213 1399 6 80 17 52 241 165 386 2441
3500
3000
2500
2000
1500
1000
500
0