

Model: "sequential"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 28, 28, 32)	832
conv2d_1 (Conv2D)	(None, 28, 28, 32)	25632
max_pooling2d (MaxPooling2D)	(None, 14, 14, 32)	0
dropout (Dropout)	(None, 14, 14, 32)	0
conv2d_2 (Conv2D)	(None, 14, 14, 64)	18496
conv2d_3 (Conv2D)	(None, 14, 14, 64)	36928
max_pooling2d_1 (MaxPooling2D)	(None, 7, 7, 64)	0
dropout_1 (Dropout)	(None, 7, 7, 64)	0
flatten (Flatten)	(None, 3136)	0
dense (Dense)	(None, 8192)	25698304
dropout_2 (Dropout)	(None, 8192)	0
dense_1 (Dense)	(None, 2048)	16779264
dropout_3 (Dropout)	(None, 2048)	0
dense_2 (Dense)	(None, 10)	20490
Total params: 42,579,946		
Trainable params: 42,579,946		
Non-trainable params: 0		