

CS188 Homework 3

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1 Tasks

1.1 Problem 1

Result = [0. 0. 1.2319232 0. 0.04842055 0.39851195 1.703964 0.32821387]

1.2 Problem 2

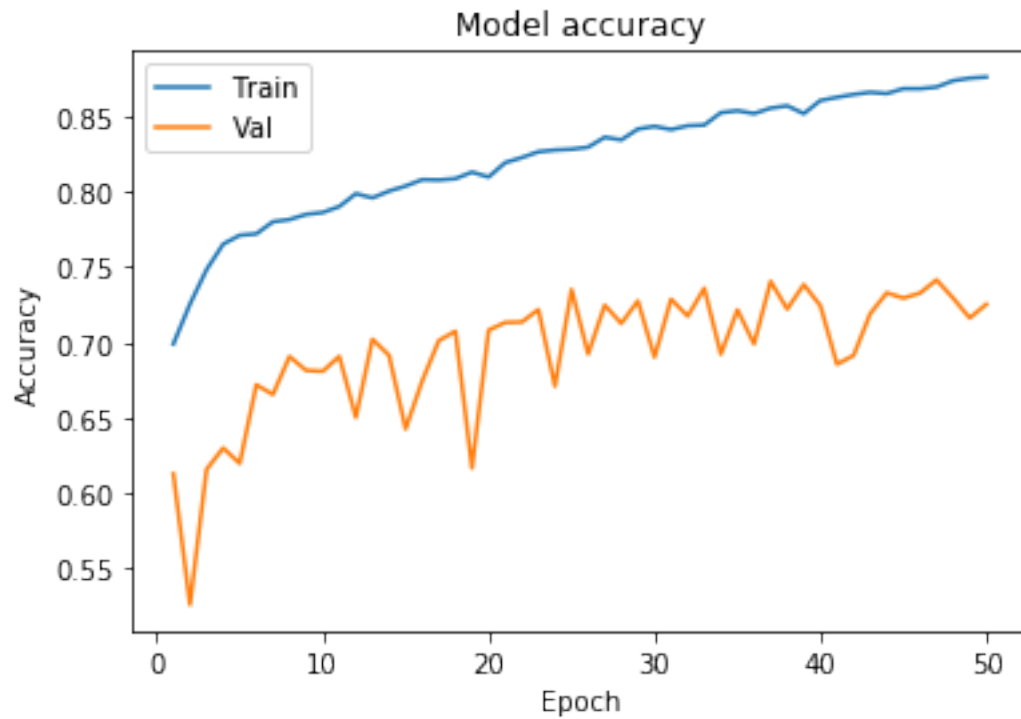
Result = [0. 1.3407363 1.4184607 0. 0. 2.2878466 0.8547394 0.5266884]

1.3 Problem 3

Test accuracy = 0.7254

1.4 Problem 4

Accuracy of training and validation sets over all 50 epochs



1.5 Problem 5

Looking at the graph in section 1.4, we can see that the accuracy of the training set is greater than that of the validation set. This means that the model is overfitting. One possible solution would be to add a Dropout layer at the end of each layer, after the Max Pooling layers.