

# Practical aspects of Deep Learning

1.

Question 1

If you have 10,000,000 examples, how would you split the train/dev/test set?

**1 / 1 point**

Expand

**Correct**

2.

Question 2

The dev and test set should:

**1 / 1 point**

Expand

**Correct**

3.

Question 3

If your Neural Network model seems to have high variance, what of the following would be promising things to try?

**1 / 1 point**

Expand

**Correct**

Great, you got all the right answers.

4.

Question 4

Working on a model to classify bananas and oranges your classifier gets a training set error of 0.1% and a dev set error of 11%. Which of the following two are true?

**1 / 1 point**

Expand

**Correct**

Great, you got all the right answers.

5.

Question 5

Which of the following are regularization techniques?

**1 / 1 point**

Expand

**Correct**

Great, you got all the right answers.

6.

Question 6

To reduce high variance, the regularization hyperparameter lambda must be increased. True/False?

**1 / 1 point**

Expand

**Correct**

Correct. By increasing the regularization parameter the magnitude of the weight parameters is reduced. This helps reduce the variance.

7.

Question 7

With the inverted dropout technique, at test time:

**0 / 1 point**

Expand

**Incorrect**

8.

Question 8

Decreasing the parameter keep\_prob from (say) 0.6 to 0.4 will likely cause the following:

**1 / 1 point**

Expand

**Correct**

Correct. This will make the dropout have a higher probability of eliminating a node in the neural network, increasing the regularization effect.

9.

Question 9

Which of the following actions increase the regularization of a model? (Check all that apply)

**0 / 1 point**


Expand

**Incorrect**

You chose the extra incorrect answers.

10.

Question 10

Why do we normalize the inputs x?

**1 / 1 point**

Expand

**Correct**