Come from the same distribution

Be identical to each other (same (x,y) pairs)

∠ Expand

⊘ Correct

Use different sources to gather data and better test the model.

Give access to more computational resources like GPUs.

∠ Expand

(X) Incorrect

No. More test data won't help reduce the bias.

| 1 | ſ | 1 | n | 0 | ı | n |
|---|-----|---|---|---|---|-----|
| - | 600 | _ | ~ | v | ж | 8.1 |

4. You are working on an automated check-out kiosk for a supermarket, and are building a classifier for apples, bananas and oranges. Suppose your classifier obtains a training set error of 0.5%, and a dev set error of 7%. Which of the following are promising things to try to improve your classifier? (Check all that apply.)

| Increase the regularization parameter lambda |
|--|
| ✓ Correct |
| Decrease the regularization parameter lambda |
| Get more training data |
| Correct |
| Use a bigger neural network |

7. Which of the following are true about dropout?

It helps to reduce overfitting.

✓ Correct

Correct. The dropout is a regularization technique and thus helps to reduce the overfit.

- In practice, it eliminates units of each layer with a probability of keep_prob.
- In practice, it eliminates units of each layer with a probability of 1- keep_prob.

✓ Correct

Correct. The probability that dropout doesn't eliminate a neuron is keep_prob.

It helps to reduce the bias of a model.

| 9. | Which of the following actions increase the regularization of a model? (Check all that apply) | 0 / 1 point |
|----|--|-------------|
| | Normalizing the data. | |
| | Increase the value of the hyperparameter lambda. | |
| | ✓ Correct Correct. When increasing the hyperparameter lambda we increase the effect of the L_2 penalization. | |
| | Increase the value of keep_prob in dropout. | |
| | ! This should not be selected Incorrect. When increasing the keep_prob value the probability that a node gets discarded during training is less thus reducing the regularization effect. | |
| | Make use of data augmentation. | |
| | Decrease the value of the hyperparameter lambda. | |