

✔ **Congratulations! You passed!**

Grade received **100%** To pass 80% or higher

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Data Augmentation

Total points 3

1. Which of the following statements are true on data augmentation? (Check all that apply).

1 / 1 point

- ☐ Data Augmentation always helps improving the performance of ML models.
- ☒ tf.image offers a set of functions to augment image data.
- ☐ Data Augmentation should be applied at serving time.

✔ **Correct**

Good job! Examples include: `tf.image.resize_with_crop_or_pad()`, `tf.image.random_crop()`, `tf.image.random_flip_left_right()`

2. Data augmentation is a strategy to significantly increase the data set available for training models without having to collect new data.

1 / 1 point

- ☐ No
- ☒ Yes

✔ **Correct**

Absolutely! It Increases diversity and number of examples in training data.

3. Data augmentation is a technique that allows us to increase our training data set to improve accuracy and avoid overfitting.

1 / 1 point

- ☒ True
- ☐ False

✔ **Correct**

Perfect! It also acts as a regularizer and helps reduce overfitting when training a machine learning model.