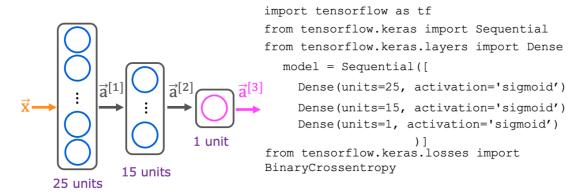
Train a Neural Network in TensorFlow



model.fit(X,Y,epochs=100)

Here is some code that you saw in the lecture:

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model.compile(loss=BinaryCrossentropy())

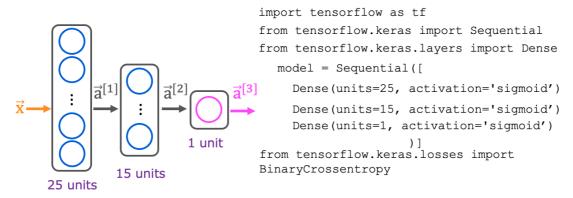
...

For which type of task would you use the binary cross entropy loss function?

- regression tasks (tasks that predict a number)
- binary classification (classification with exactly 2 classes)
- A classification task that has 3 or more classes (categories)
- BinaryCrossentropy() should not be used for any task.
- Correct

Yes! Binary cross entropy, which we've also referred to as logistic loss, is used for classifying between two classes (two categories).

Train a Neural Network in TensorFlow



model.fit(X,Y,epochs=100)

```
2.Here is code that you saw in the lecture:
...
model = Sequential([
Dense(units=25, activation='sigmoid'),
Dense(units=15, activation='sigmoid'),
Dense(units=1, activation='sigmoid')
```

```
])
model.compile(loss=BinaryCrossentropy())
model.fit(X,y,epochs=100)
```

...

V۷	rnich line of code updates the network parameters in order to reduce the cost?
0	model.compile(loss=BinaryCrossentropy())
•	model.fit(X,y,epochs=100)
0	None of the above this code does not update the network parameters.
0	model = Sequential([])
	Correct Yes! The third step of model training is to train the model on data in order to minimize the loss (and the cost)