机器学习 C2-Lab解决问题

安装

pip install tensorflow==2.15.0 pip install keras==2.15.0

C2_W1_Lab02_CoffeeRoasting_TF

```
model.fit 语句运行梯度下降并将权重拟合到数据。

In [*]: model.compile(
    loss = tf.keras.losses.BinaryCrossentropy(),
    optimizer = tf.keras.optimizers.Adam(learning_rate=0.01),
    model.fit(
        Xt,Yt,
        epochs=10,
    }

WARNING:absl:At this time, the v2.11+ optimizer `tf.keras.optimizers.Adam` runs slowly on M1/M2 Macs, please use the legacy Keras optimizer instead, located at `tf.keras.optimizers.legacy.Adam`.

Epoch 1/10
6259/6250 [===========] - 2s 275us/step - loss: 6.1578e-05
Epoch 2/10
2613/6250 [===========] - ETA: 0s - loss: 5.8316e-05
```

M2的Mac更新

```
model.compile(
    loss = tf.keras.losses.BinaryCrossentropy(),
    optimizer = tf.keras.optimizers legacy.odam(learning_rate=0.01),
)

model.fit(
    Xt,Yt,
    epochs=10,
)

WARNING:absl:At this time, the v2.11+ optimizer `tf.keras.optimizers.Adam` runs slowly on M1/M2 Macs, please use the legacy Keras optimizer instead, located at `tf.keras.optimizers.legacy.Adam`.
```

C2_W2_Relu

换位置:

解决错误 Attribute Error: module 'tensorflow' has no attribute 'layers' 更改为: