**TensorBoard**

**What is TensorBoard?**

The computations you'll use TensorFlow for - like training a massive deep neural network - can be complex and confusing. To make it easier to understand, debug, and optimize TensorFlow programs, we've included a suite of visualization tools called TensorBoard. You can use TensorBoard to visualize your TensorFlow graph, plot quantitative metrics about the execution of your graph, and show additional data like images that pass through it. [[1]](#endnote-1)

**Using TensorBoard**

A line of code may be added to create a TensorBoard event file after the model has been created. These files can then be used to visualize the machine learning models as well as view comparisons of varying loss or accuracy. An example of this code is:

logger = keras.callbacks.TensorBoard(log\_dir="logs", write\_graph=True,

histogram\_freq=0)

**Resources**

## Resource URL

<http://mallory-HP-PROBOOK-640-g1:6006>

This localhost will change dependent on the computer the TensorBoard is called from via the terminal.

## Resource Information

## The TensorBoard link provided can only be accessed after files are called from the terminal. Once it receives the saved files comparisons can be made of multiple models.

1. <https://www.tensorflow.org/guide/summaries_and_tensorboard> [↑](#endnote-ref-1)