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1. Identity Block Output

Result = [0.8278597 0.10646105 2.1855583 0.56990707 0. 1.6353136 1.454914 1.1312441]

2. Convolutional Block Output

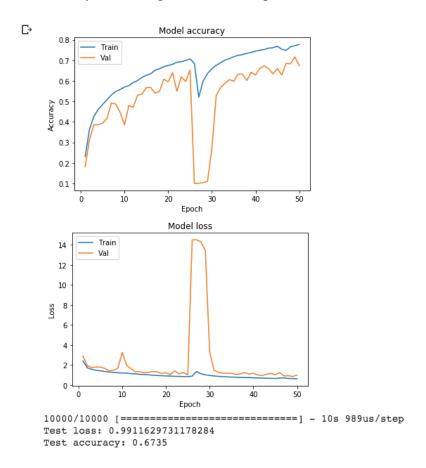
Result = [0. 1.3407363 1.4184607 0. 0. 2.2878466 0.8547394 0.5266884]

3. Accuracy of ResNet on CIFAR10 Test Set

Test loss: 0.9911629731178284

Test accuracy: 0.6735

4. Accuracy of training and validation plots



5. Is your model over-fitting or under-fitting?

From training our model:

Our training accuracy ends up being around 78% while our test accuracy was 67%. This indicates that our model overfits to the training data because the training accuracy is higher than the test accuracy by a significant amount (approximately a 10% difference). To address this, we could introduce dropout layers to our ResNet so that the trained model learns to use all the input data and not rely on a few repeated features in the training set.