Group 4 - Project Step 4

What is the setting of your project?

Supervised

How you represent X (Features/Representation and their explanation, justification)

Our input X is 13 joints, each represented with [x_pos,y_pos,isVisible] noting the x and y positions of the joint and if it is visible in the image or not. It is labeled with a number indicating which of the activities it corresponds to.

How do you represent Y (binary? multi-class? sequences? trees? graphs?)

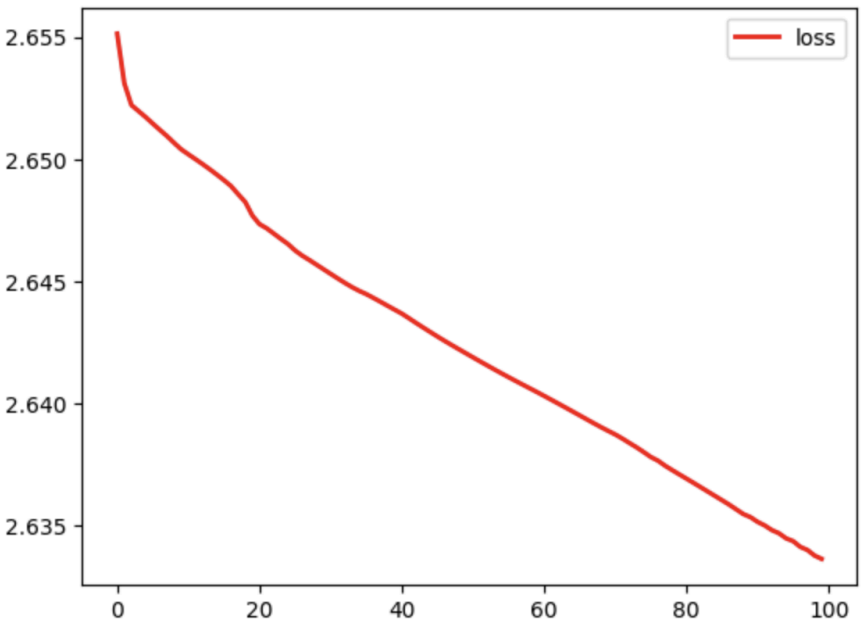
Y is multi-class. There are 15 different activities to classify the inputs on.

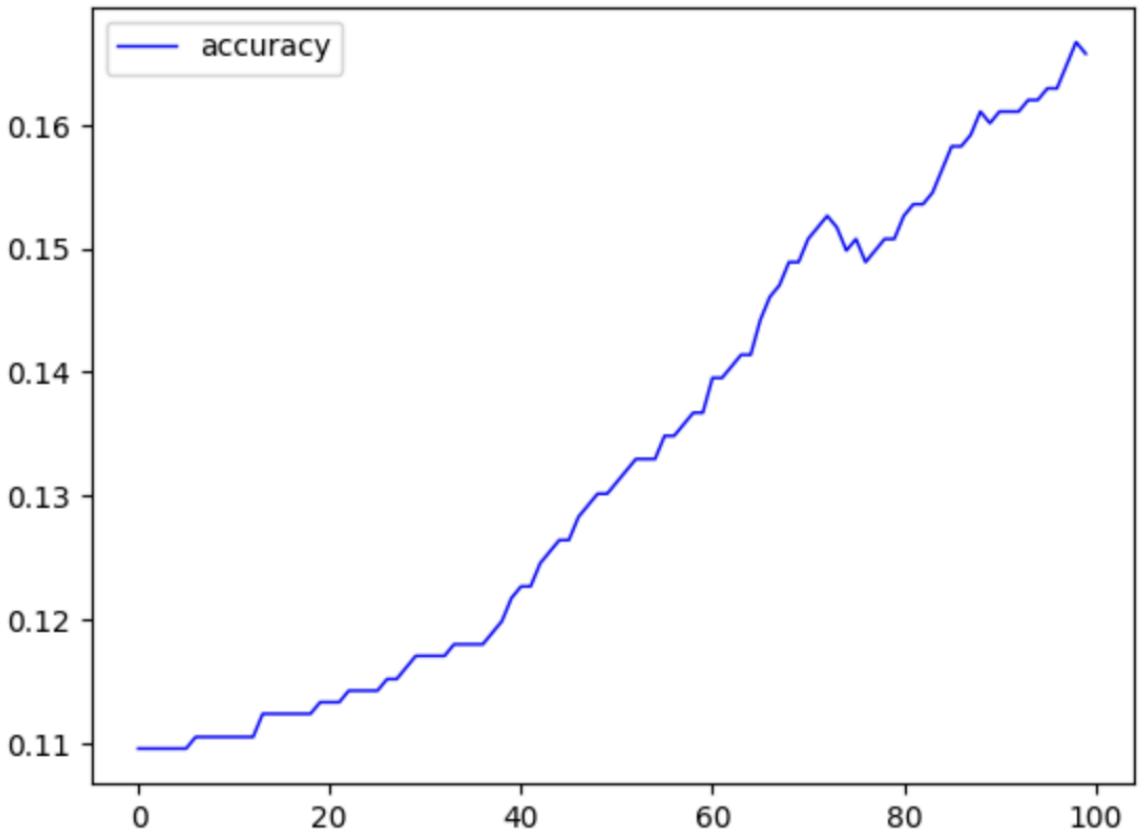
Which libraries will you use?

Torchvision

Model Performance:

On 100 epochs:




accuracy
0.16
0.15
0.14
0.13
0.12
0.11
0
20
40
60
80
100

--You might use any machine learning or deep learning libraries for your project or even use your own implemented algorithm, in any case, you will need to do the following:

- Make a test/train split of the data

  2. Use your machine learning algorithm to learn from your training set

  3. Evaluate the model with the test set.

  4. Send a report summary about the model's performance on train and test datasets (it is fine that it is very low at this stage).

  5. Push your code to your repository on GitHub, and post a link to it here in response to this assignment.