BA Working Log

1. Major tasks:
   1. Study tensorflow & code repo s
   2. Study spatial transformer network, especially its ability to do affine transformation on figures.
   3. TODO: Learn how to use leonhard

Some brief results for b)

The results are based on MNIST dataset and a simple CNN. The localisation network consists of 2 layers and is plug at the very beginning of the whole network, namely its inputs are the original images (reshaped from originally 28\*28 to 40\*40, zero padded bc 40 = 28\*1.414?)

Results (10 examples):

Original Transformed







