

# **Progress Report 1**

IEORE 4742 Deep Learning for OR and FE

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# 1 Project

To train a Generative Adversarial Network to generate a set of images that can generate challenging and complex images. We want to add a penalty to the cross entropy loss function and be able to propagate throughout the network. This will help the network to learn faster and achieve better generated image quality

# 2 What was done

We have already suggested a strategy to propagate the regularization parameter through the entire network. We are waiting for the results of the test to come out.