

C-M-009: Machine Learning Lab II '20-21

Lab. 2 (Given November 19, 2020; Due November 22, 2020)

Your answers must be entered in Moodle by midnight of the day it is due. You must submit the code as well as a self-contained PDF which has the approach, an explanation of the implementation, the output as well as anything else asked by the question. Marks devoted to this Lab. are indicated in the “Syllabus” sheet that was provided the first day of class.

1. In this simple exercise, you will construct a VAE to generate MNIST digits. Train your VAE on the MNIST dataset and then,
 - (a) Plot the Gaussian distributions that you have obtained at the latent space
 - (b) Identify what each latent variable is controlling