

CS5542 Big Data Apps and Analytics

In Class Programming –8
15th October 2020

Submit ICP Feedback in Class. : [Lnk to Feed back Form](#)

Variational Autoencoders:

Use the same data and source code but add two more layers to encoder path and their corresponding two layers to decoder path, run the new model and report your findings. In your report specify which 4 layers (2 layers in encoder path and 2 layers in decoder path) have you added and explain why you added those (their function).

Examples of layers that can be added Conv2D, Batchnorm, Conv2DTranspose etc.

ICP Requirements:

- 1) Successfully executing the code with new architecture for encoder and decoder path (75 points)
- 2) Explanation of new layers (5 points)
- 3) overall code quality (10 points)
- 4) Pdf Report quality, video explanation (10 points)

Submission Guidelines:

Same as previous ICPs.