

Practical 5

Topics in Deep Learning

ANN Model : Batch Normalization

❖ Dataset –

- ☐ [Heart Failure Prediction Dataset](#)
- ☐ [Fashion-MNIST](#)

❖ Steps to perform -

- ☐ Perform EDA on the given dataset and apply preprocessing
- ☐ Divide train, test and validation dataset
- ☐ Design an ANN model to predict the heart failure target class
- ☐ Add Batch normalization layer to the model and analyze the results
- ☐ Comment on how batch normalization affect the ANN performance
- ☐ Plot the training progress of your model using graphs and comment on if your model is overfitting/underfitting