Started with Auto Encoders. I initially experimented with different number of layers in autoencoders, batch normalization and different activation functions. As our data is between [0,1] the sigmoidal activation function works the best and was used as the activation for the last layer. Currently testing the model for only patient SB-001, once few good models are found we can experiment with different patient data and find out an optimal model structure.

Also tested the Gretel model and its score was 64. This score was same when using huge models such as 24\_22\_20\_18.

Auto Encoder Multiple Models:

Trained 294 models each for Balanced Auto encoders, Heavy Decoder and Single Encoder. From the loss values, we identified Single Encoder has lowest loss value.

