**Case1 Consideration**

Dataset: Train | Validation | Test

Preprocess: Split [data | label], Missing Data, Normalization/scale, Categorize label (0 or 1 only)

Select no/method: Hidden layers, neurons, batch size (should be < 32), optimizer, loss function

Note: smaller batch sizes are noisy.

Regression Binary classification Multiclass classification

Loss: Mean squared error Binary cross entropy Categorical cross entropy

Output Activation: - sigmoid softmax

Metric: Mean Absolute Error Accuracy Accuracy

\*\*Feed forward and Back propagation\*\*

Graph: Loss function & Accuracy: epochs find the best epochs before the line start to up/drop