**Epochs**

 An epoch is a hyperparameter which is defined before training a model. when an entire dataset is passed both forward and backward through the neural network only once, which in turn counted as One epochs.

**Batch\_Size**

A batch is the total number of training examples present in a single batch

Generally we cannot pass the entire Dataset through Neural network at once. Hence the dataset is divided into number of batches in order to pass through the neural network.

**Validation\_Split**

Validation Split is a float between 0 and 1 , it will evaluate the loss and any model metrics on the validation data at the end of each epoch.

Generally When we mention validation\_split as fit parameter while fitting deep learning model, it splits data into two parts for every epoch i.e. training data and validation data.

 It trains the model on training data and validate the model on validation data by checking its loss and accuracy.

**Validation\_data**

Data on which to evaluate the loss , accuracy and any model metrics at the end of each epoch. The model will not be trained on this data.

**Verbose**

It is one of the argument in Fit model.

Say we can set verbose mode as 0,1,2, which means .,

Verbose Mode =0 --- means will show you nothing (silent)

Verbose Mode =1 --- means will show you an animated progress bar like this:

[================================]

Verbose Mode =2 ---means will show mentioned number of epoch like this:

Epoch 1/10

**Validation\_Steps**

Validation steps is nothing but, the total number of steps to be draw before stopping, when performing validation at end of each and every epoch. It is applicable only if Validation Data is provided.