| **PARAMETERS** | **HYPERPARAMETER** |
| --- | --- |
| They are required for making predictions | They are required for estimating the model parameters |
| They are estimated by optimization algorithms(Gradient Descent, Adam, Adagrad) | They are estimated by hyperparameter tuning |
| They are not set manually | They are set manually |
| The final parameters found after training will decide how the model will perform on unseen data | The choice of hyperparameters decide how efficient the training is. In gradient descent the learning rate decide how efficient and accurate the optimization process is in estimating the parameters |