

Experiment No.	Parameters Chosen	Results
1	RNN: Number of Layers = 2 Learning Rate = 0.000001 Hidden Size = 50 Epochs = 10	Training RMSE = 9.619 Testing RMSE = 9.345 R2 Score = -0.067
2	RNN: Number of Layers = 3 Learning Rate = .0001 Hidden Size: 50 Epochs: 15	Training RMSE = 9.344 Testing RMSE = 9.114 R2 Score = -0.015
3	RNN: Number of Layers = 4 Learning Rate = .0001 Hidden Size= 60 Epochs= 20	Training RMSE = 9.302 Testing RMSE = 9.199 R2 Score = -0.035
4	RNN: Number of Layers = 3 Learning Rate = .0001 Hidden Size: 40 Epochs= 25	Training RMSE = 9.319 Testing RMSE = 9.151 R2 Score = -0.023
5	RNN: Number of Layers = 3 Learning Rate = .00001 Hidden Size = 50 Epochs= 30	Training RMSE = 9.228 Testing RMSE = 9.295 R2 Score = 0.0002
6	RNN: Number of Layers = 2 Learning Rate = 0.00001 Hidden Size= 60 Epochs= 40	Training RMSE = 9.252 Testing RMSE = 9.322 R2 Score = -0.006
7	RNN: Number of Layers = 2 Learning Rate = 0.00001 Hidden Size= 30 Epochs= 45	Training RMSE = 9.213 Testing RMSE = 9.284 R2 Score = 0.003

8	RNN: Number of Layers = 2 Learning Rate = 0.00001 Hidden Size= 20 Epochs= 50	Training RMSE = 9.249 Testing RMSE = 9.324 R2 Score = -0.006
9	RNN: Number of Layers = 2 Learning Rate = 0.000001 Hidden Size= 50 Epochs= 70	Training RMSE = 9.351 Testing RMSE = 9.416 R2 Score = -0.026
10	RNN: Number of Layers = 2 Learning Rate = 0.000001 Hidden Size= 50 Epochs= 500	Training RMSE = 8.516 Testing RMSE = 8.239 R2 Score = -0.005