

Single Step Model

Epoch 1/20

16/16 [=====] - 2s 45ms/step - loss: 0.2812 - mean_absolute_error: 0.3651 - mape: 1.1284 - val_loss: 4.4165 - val_mean_absolute_error: 1.4545 - val_mape: 0.3936

Epoch 2/20

16/16 [=====] - 0s 12ms/step - loss: 0.2027 - mean_absolute_error: 0.2880 - mape: 0.9224 - val_loss: 2.9480 - val_mean_absolute_error: 1.1715 - val_mape: 0.3239

Epoch 3/20

16/16 [=====] - 0s 12ms/step - loss: 0.1869 - mean_absolute_error: 0.2580 - mape: 0.9091 - val_loss: 2.4731 - val_mean_absolute_error: 1.0829 - val_mape: 0.3089

Epoch 4/20

16/16 [=====] - 0s 12ms/step - loss: 0.1874 - mean_absolute_error: 0.2523 - mape: 0.9209 - val_loss: 2.5944 - val_mean_absolute_error: 1.1291 - val_mape: 0.3200

Epoch 5/20

16/16 [=====] - 0s 11ms/step - loss: 0.1851 - mean_absolute_error: 0.2478 - mape: 0.8632 - val_loss: 2.5038 - val_mean_absolute_error: 1.1213 - val_mape: 0.3269

Epoch 6/20

16/16 [=====] - 0s 11ms/step - loss: 0.1722 - mean_absolute_error: 0.2407 - mape: 0.9095 - val_loss: 2.8173 - val_mean_absolute_error: 1.1988 - val_mape: 0.3334

Evaluation Single Step Model

4/4 [=====] - 0s 3ms/step - loss: 2.8173 - mean_absolute_error: 1.1988 - mape: 0.3331

[2.817283868789673, 1.1988428831100464, 0.33309558033943176]

2/2 [=====] - 0s 5ms/step - loss: 8.3544 - mean_absolute_error: 2.0848 - mape: 0.5116

[8.354388236999512, 2.084810495376587, 0.5115786194801331]

Multi Step Model

Epoch 1/20

16/16 [=====] - 2s 42ms/step - loss: 0.4034 - mean_absolute_error: 0.4469 - mape: 1.5798 - val_loss: 2.9501 - val_mean_absolute_error: 1.1151 - val_mape: 0.4742

Epoch 2/20

16/16 [=====] - 0s 12ms/step - loss: 0.2810 - mean_absolute_error: 0.3610 - mape: 1.3261 - val_loss: 3.0865 - val_mean_absolute_error: 1.2235 - val_mape: 0.6020

Epoch 3/20

16/16 [=====] - 0s 12ms/step - loss: 0.2515 - mean_absolute_error: 0.3296 - mape: 1.1515 - val_loss: 3.2782 - val_mean_absolute_error: 1.2574 - val_mape: 0.6064

Epoch 4/20

16/16 [=====] - 0s 13ms/step - loss: 0.2256 - mean_absolute_error: 0.3007 - mape: 1.0883 - val_loss: 3.5478 - val_mean_absolute_error: 1.3420 - val_mape: 0.6793

Evaluation Multiple Step Model

3/3 [=====] - 0s 3ms/step - loss: 3.5478 - mean_absolute_error: 1.3420 - mape: 0.6792

[3.547816753387451, 1.3420056104660034, 0.6791695952415466]

1/1 [=====] - 0s 41ms/step - loss: 57.9392 - mean_absolute_error: 7.1046 - mape: 0.9387

[57.93916320800781, 7.104592323303223, 0.9386521577835083]