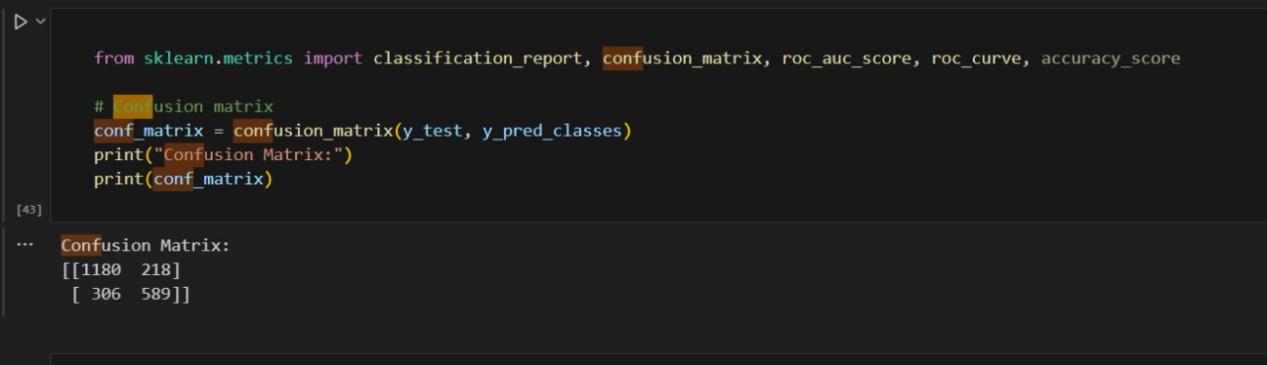
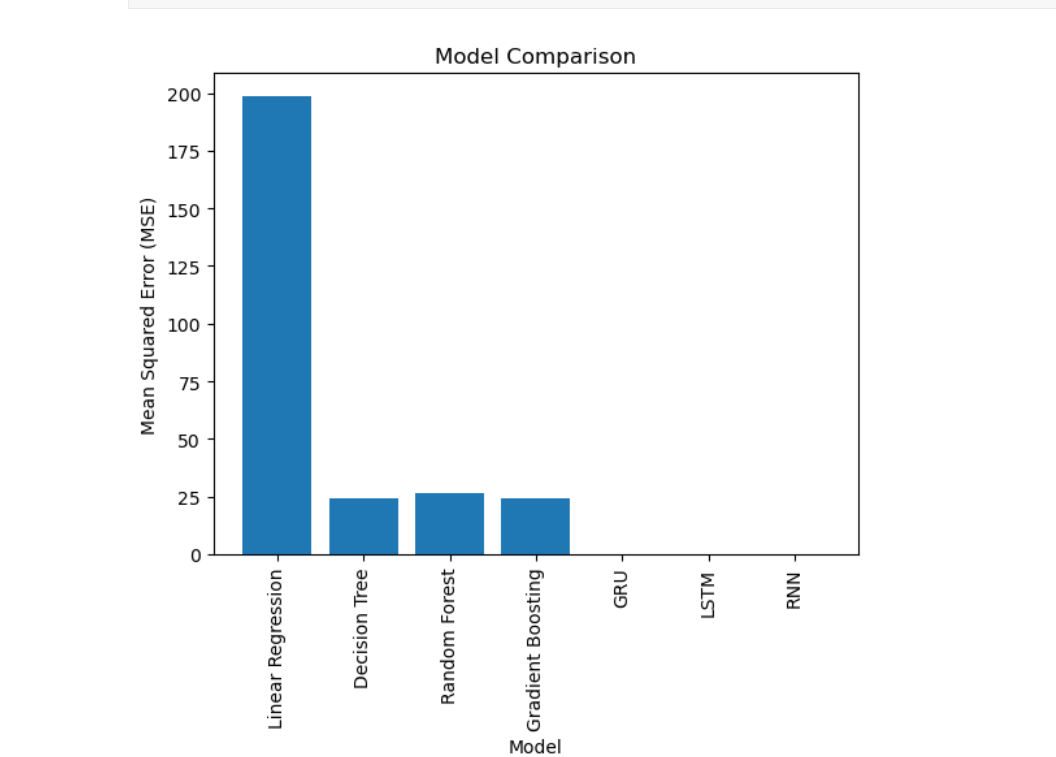
# Water portability

## DNN



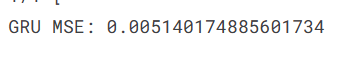
# **Water level prediction**



Simple RNN MSE: 0.008877523996036685

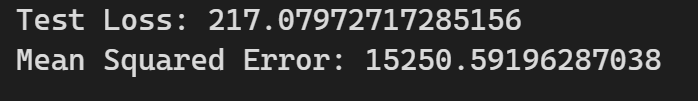
LSTM MSE: 0.0008769432293824911

GRU MSE: 0.005140174885601734



# Water Treatment

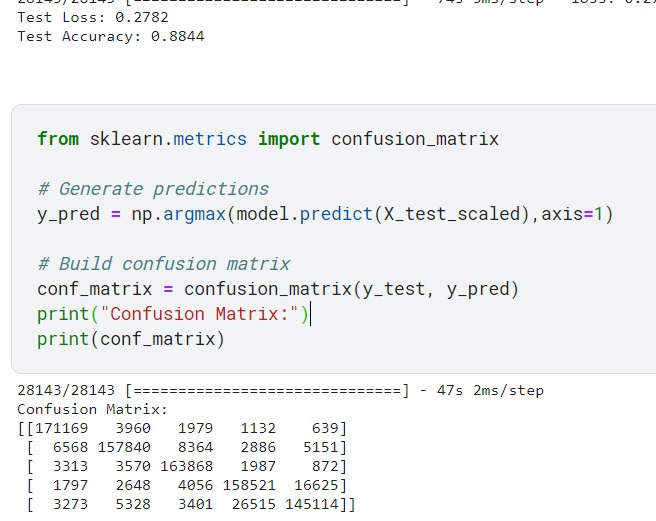
## DNN



# Water Leak

***Acceleromter:***

Branched: Dnn loss: 0.3361 - accuracy: 0.8810328056710373

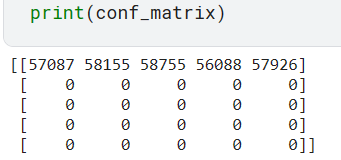
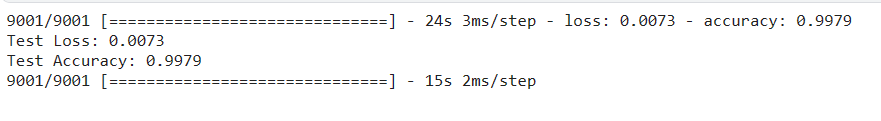


Looped: Dnn

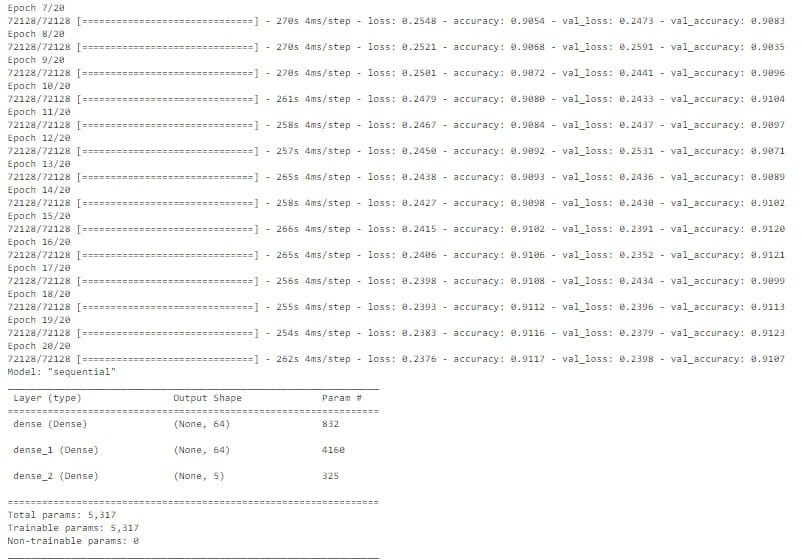


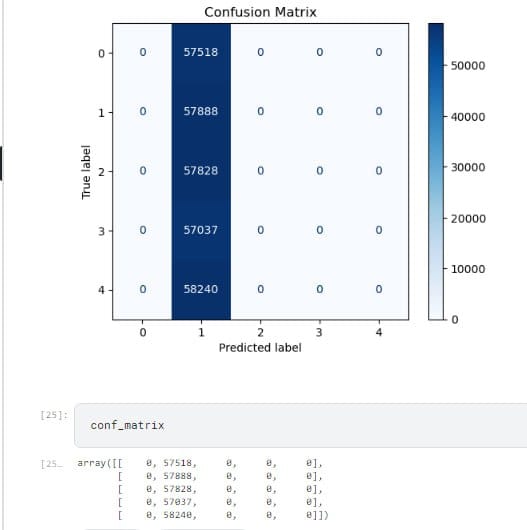
***Hydrophone:***

Branched: Dnn



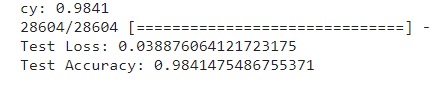
Looped: Dnn

******

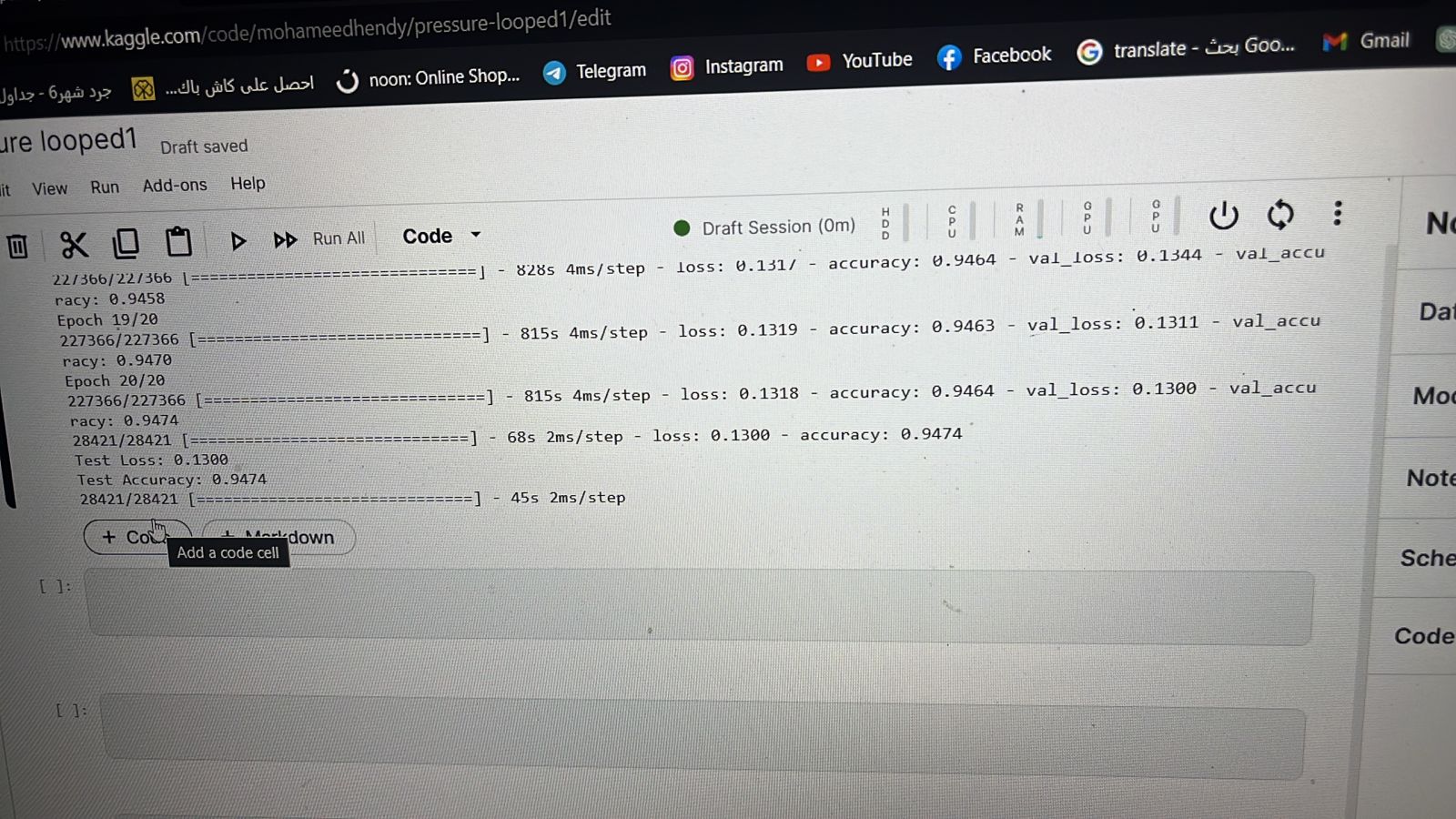
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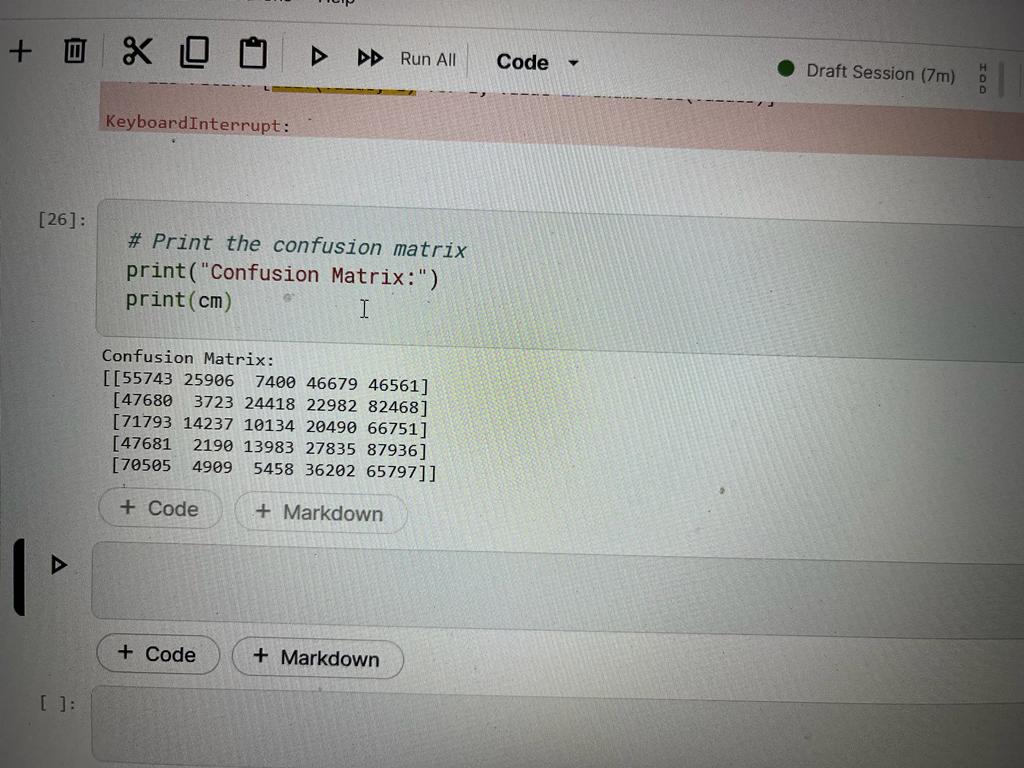
***Pressure:***

Branched: Rnn



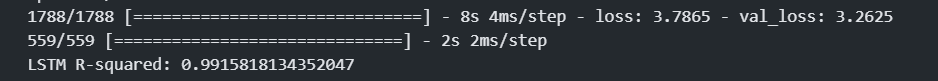
Looped: Dnn





# **Predict Water Consumption**

## Tank 1: LSTM



## Tank 2: LSTM

