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CODE

* Recurrent neural network (many-to-one)

* class RBN(m.Ndoule): fmn.module is a parent class (inherited) call by RBN which is child class

* def init (self, input size, hidden size, num layers, num classes):

* super(RNN, self)__init__() * fgive access to child class in parent class

* self.hidden_size * hidden_size * fgive number of nodes in hidden layer to model

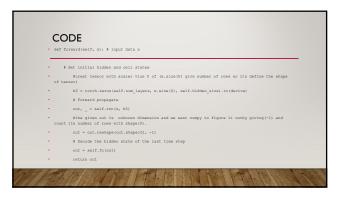
* self.num_layers = num_layers * Number of Recurrent layers

* * If Patch_first TRUE then the input and output tensors are provided as (batch, seq. feature)

* give all data to model

* * Thidden_size * nequence_length* is number of input fastures and num_classes is output features.linear transformation to the incoming data: y = NA^T + b

* self.fc = nn_linear(hidden_size * sequence_length, num_classes) * After linear transformation output will fully connected
```







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CODE

# (Check accuracy on training & test to see how good our model

* dar (check accuracy tesder, model);

* num_correct = 0

* mm_samples = 0

# Set model to eval

* model.eval() # model in evaluating mode so deactivates all dropout layers or training is stop

* with torch.mo_grad(): #atop gradient calculation

# % is input and Y is output (data and labels)

for x, y in loader: #load contain data x is input image and y is label data

# sequese remove single-dimensional motives

x = x.to(device-device).aquescs(1)

y = y.to(device-device).aquescs(1)

# Sealculate scores

* Sealculate scores

* scores = model(p)
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