ECE 598SG Learning based robotics MP1

Yutong Xie

Sept. 17, 2020

B: Character RNN

In this part, I designed my own recurrent models in a new class called MyRNN.

The parameters I give to this class include the number of input\_size, hidden\_size, n\_classes, num\_layers and model. The explanation for these parameters are following:

* Input\_size: the number of features in the input character.
* Hidden\_size: the number of features in the hidden state h.
* Num\_layers: number of recurrent layers, which means stacking how many RNN cells together.
* N\_classes: the size of output.
* Model: whether we choose RNN or LSTM or GRU model

I trained for 200 epoches, but the performance won’t increase and I cannot find the problem.

C: Linear Quadratic Regulators

A close up of text on a white background

Description automatically generated