

Deep Learning

RNN & AE

1800

1. Generate a music using RNN (Simple RNN, LSTM , ...)

Hints:

- music length must be more than 3 seconds.
- Send the music file along with the code.

Link of Dataset:

<https://magenta.tensorflow.org/datasets/maestro#v200>



Rewrite the META stock prediction code using LSTM, and give us your estimation for open price for july 17 2024.



1. Convert CFAR10 to gray, then design and train a deep model to convert gray to color image!

Hints:

- Convert original images into gray images.
- Design an AE architecture model and train that.
- Show a gray and colorized space of an image (from the CFAR10 dataset)
- Colorize an image, out of the dataset.

