Lab8-Generative Adversarial Network

CIS694/EEC693/CIS593 Deep Learning

Cleveland State University

This lab will use GAN to teach neural network how to draw a Sin(x) function. The example output is shown as the following figure.

Chart, line chart

Description automatically generated

We have a real artist who draws the real painting for Sin(x) function. GAN wants to train a Generator to draw fake paintings for Sin(x) function, which is very similar to the real one so as to fool others.

**You are asked to accomplish some tasks in this lab.**

# Question1: Please search for To-do1 and To-do2 and finish them

# Question2: If it works, congratulations! Then, please think about the logic for loss functions

# Question3: What will be prob\_artist0 when D is converged?

**Hints:**

Graphical user interface, text

Description automatically generated with medium confidence