Application of Machine Learning Coursework Report

James Hughes

March 18, 2024

Part 1

Diffusion Model & Training Algorithm

MNIST [1]

Analysis of Training

Analysis of Final Models

New text here

Part 2

Custom Degradation Strategy

Analysis of Custom Degradation for MNIST Models

Comparison of Gaussian and Custom Degradation

References

[1] Y. Lecun, L. Bottou, Y. Bengio, and P. Haffner. Gradient-based learning applied to document recognition. *Proceedings of the IEEE*, 86(11):2278–2324, 1998.