MNIST Classification

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Model Arch

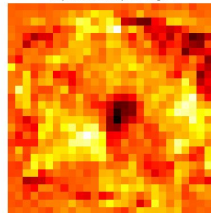RELU   RELU

Input Layer ∈ ℝ⁷⁸⁴   Hidden Layer ∈ ℝ⁵¹²   Hidden Layer ∈ ℝ²⁵⁶   Output Layer ∈ ℝ¹⁰

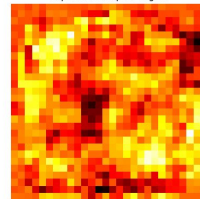784   512   256   10

Demo

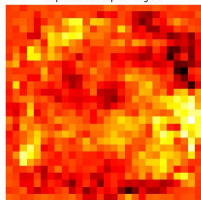

p(3)=0.99

p(3)=0.41,
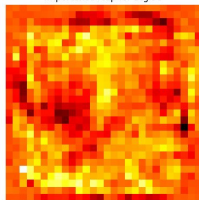p(7)=0.59

Heatmaps

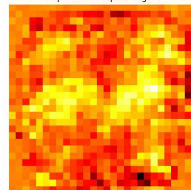Importance Map for Digit 0

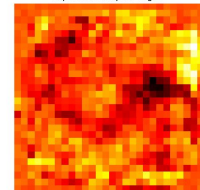Importance Map for Digit 1

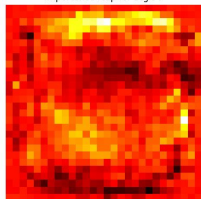Importance Map for Digit 2

Importance Map for Digit 3
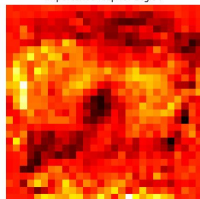
Importance Map for Digit 4
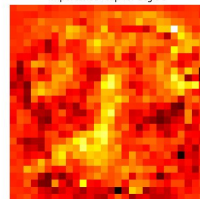
Importance Map for Digit 5

Importance Map for Digit 6

Importance Map for Digit 7

Importance Map for Digit 8

Importance Map for Digit 9