Margot Wagner

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CSE 250a HW5

Due: 11/10/20

Text, letter

Description automatically generated

Diagram, text, letter

Description automatically generated

Text, letter

Description automatically generated

Text, letter

Description automatically generated

Text, letter

Description automatically generated

Graphical user interface, text, letter

Description automatically generated

Choosing x\* = 1

Diagram

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Chart, line chart

Description automatically generated

Minimum is at x = x\* = 1.

A screenshot of a cell phone

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**5.5 Handwritten digit classification**

(a) Training

Method used: **Gradient ascent with 10,000 iterations**

Chart

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**Percent error rate:** 3.79%

Text

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(b) Testing

**Percent error rate:** 5.5%

(c) Source code

Graphical user interface, text, application, email

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Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

