

CS4342 Homework 3  
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Prof. Whitehill

**Part 1:**

**b) c)**

```
Loss: 762.4913579063409
Loss: 710.288128453076
Loss: 717.1287858406145
Loss: 735.7935551572152
Loss: 753.5389867769825
Loss: 730.610621906236
Loss: 740.418742841879
Loss: 689.5026465614003
Loss: 730.4552081354642
Loss: 732.351899657862
Loss: 671.3642188855202
Loss: 751.7654926915002
Loss: 726.040144947148
Loss: 790.4397416429407
Loss: 763.8485005353152
Loss: 767.2738535068792
Loss: 732.6385689064651
Loss: 778.5110243960335
Train Acc: 0.851816666666667
Test Acc: 0.8348
```

Part c is the training and testing accuracy at the bottom of the above image

**d)**

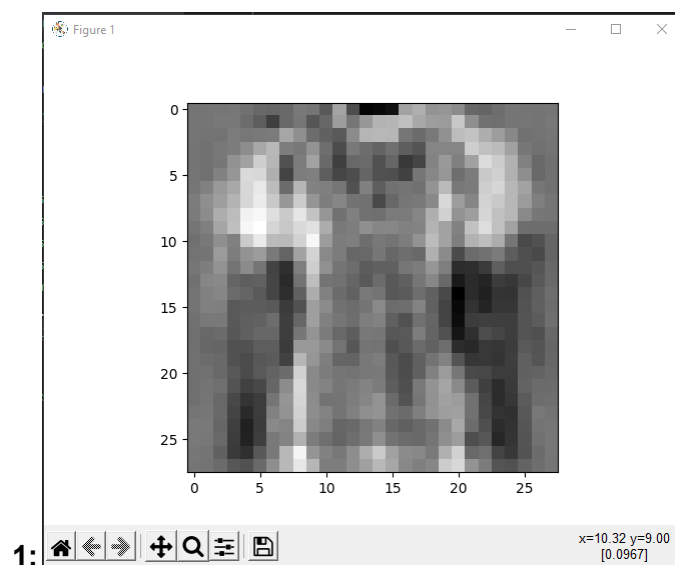
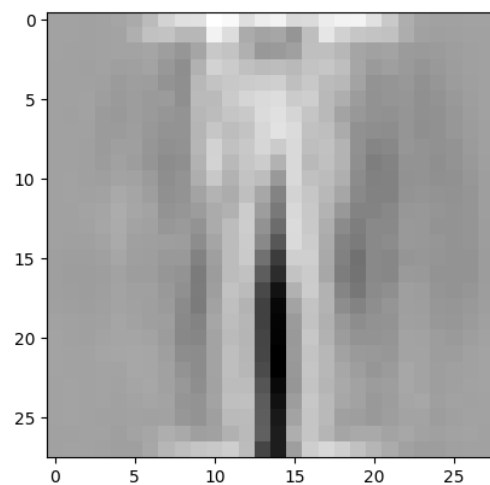
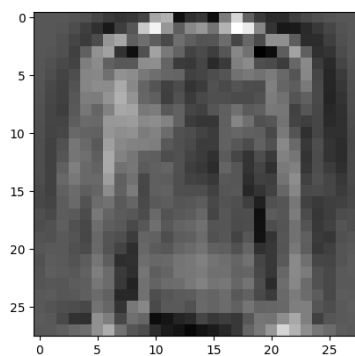


Figure 1



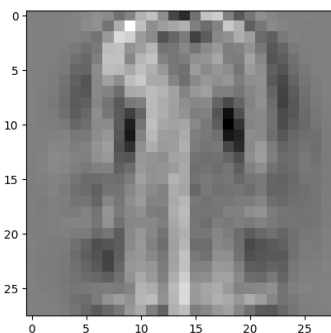
2: x=6.08 y=7.18 [-0.028]

Figure 1

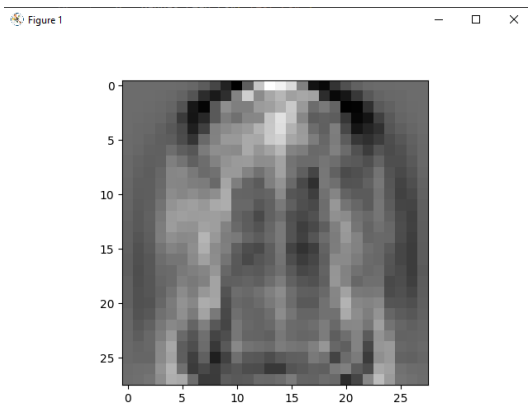


3: x=12.74 y=3.92 [-0.077]

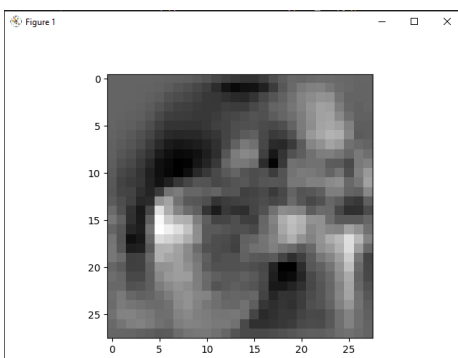
Figure 1



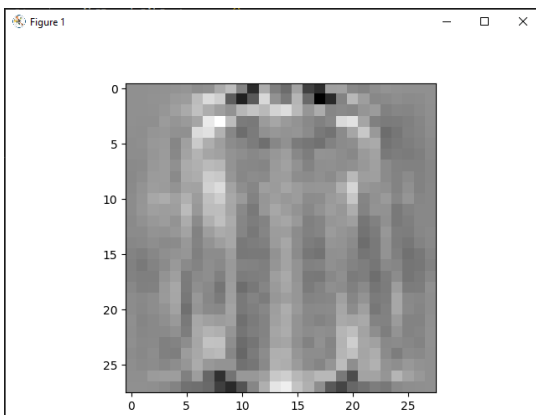
4:



5: 

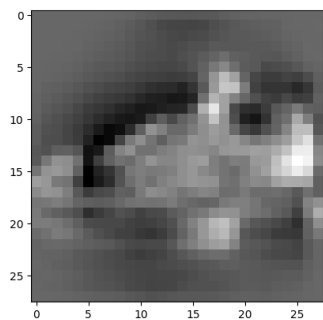


6: 



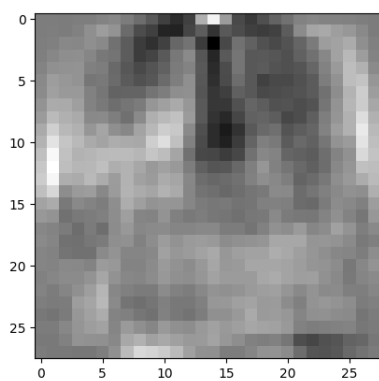
7: 

Figure 1



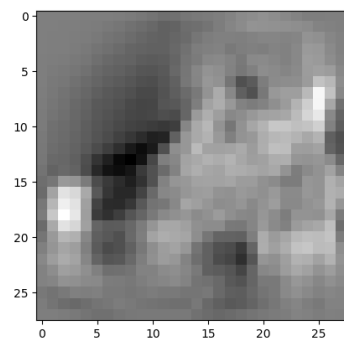
8: x=9.86 y=1.12  
[-0.044]

Figure 1



9: x=23.42 y=11.20  
[-0.032]

Figure 1



10: x=6.00 y=5.06  
[-0.062]

Kaggle Accuracy:

Training: 0.7867564534231201

Testing:

kaggle

+

Create

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Home

🏆

Competitions

📁

Datasets

👤

Models

🔗

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💬

Discussions

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Getting Started Prediction Competition

Titanic - Machine Learning from Disaster

Start here! Predict survival on the Titanic and get familiar with ML basics

K

Kaggle · 15,605 teams · Ongoing

Overview

Data

Code

Discussion

Leaderboard

Rules

Team

Submissions

All

Successful

Errors

Submission and Description

🟢

submission.csv

Complete · now · my second attempt!

⚠️

submission.csv

Error · 42s ago · my first attempt!

✕

Submission Details

🟢

submission.csv

Complete · now

Score: 0.73205

UPLOADED FILES

📄

submission.csv (3 KiB)

⬇️

DESCRIPTION

my second attempt!

18 / 500

Cancel

Save