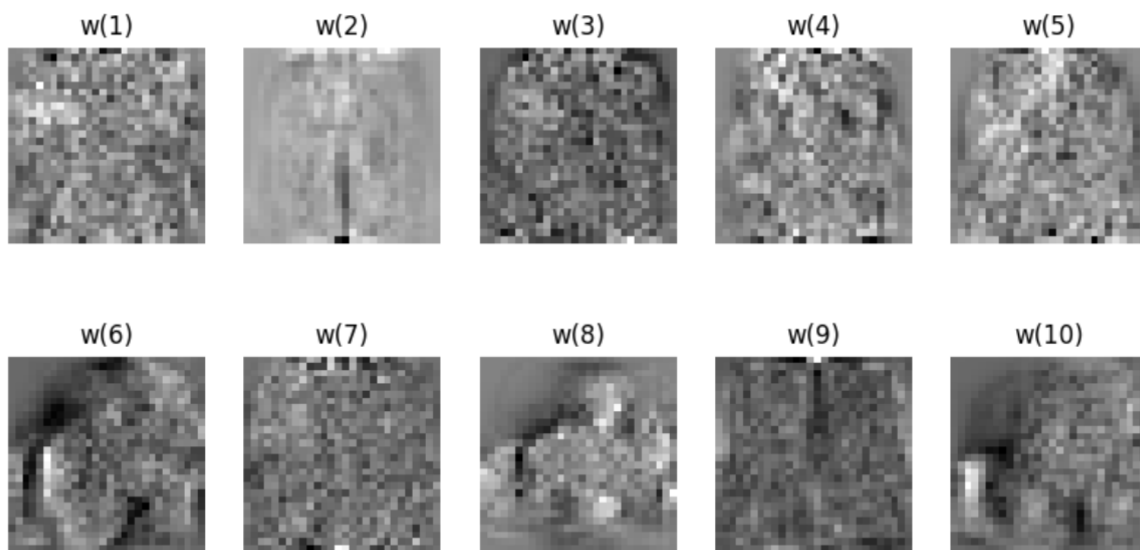Problem 1)

```
Training loss during the last 20 mini-batches of SGD:
Mini-batch 1: 0.2112213227372431
Mini-batch 2: 0.35029108957970845
Mini-batch 3: 0.2434998007330739
Mini-batch 4: 0.4214308756104599
Mini-batch 5: 0.2926738186600716
Mini-batch 6: 0.2354429575388982
Mini-batch 7: 0.2732802452918449
Mini-batch 8: 0.2759578196101937
Mini-batch 9: 0.32231492828631575
Mini-batch 10: 0.27016452175051936
Mini-batch 11: 0.39542978373527404
Mini-batch 12: 0.3774286657008887
Mini-batch 13: 0.2768466156225711
Mini-batch 14: 0.38243001939787674
Mini-batch 15: 0.39856078667898454
Mini-batch 16: 0.4267015720385463
Mini-batch 17: 0.3899092611621016
Mini-batch 18: 0.33018448316491117
Mini-batch 19: 0.4471613325170287
Mini-batch 20: 0.48844900624771087
```
b)

```
PC accuracy on test set: 0.8428
Training set cross-entropy loss: 0.3706
Testing set cross-entropy loss: 0.4483
```
c)

d)

2)

Submission and Description	Public Score ⓘ
✓ **gender_submission.csv** Complete · now	**0.76555**