S6-Assignment-Solution

Due Feb 26 at 5:30am   **Points** 200   **Questions** 6

Available Feb 19 at 9:30am - Feb 26 at 5:30am 7 days   **Time Limit** 15 Minutes
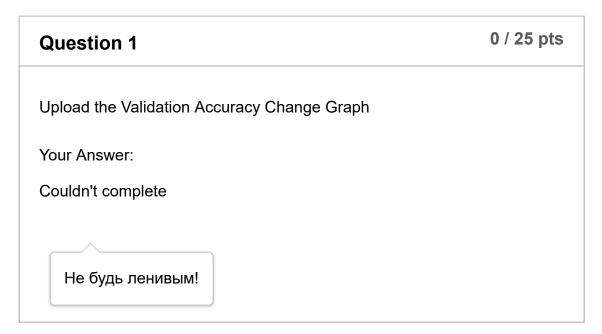
Instructions

Instructions:

1. You have 15 minutes to attempt the quiz
2. Once you start the quiz, you cannot go back and re-attempt it
3. You will not find answers online, so please make sure you are ready for the quiz
4. For Multiple Answer Questions, ALL the answers must be correct to score any point

This quiz was locked Feb 26 at 5:30am.

Attempt History

	Attempt	**Time**	**Score**
LATEST	**Attempt 1**	6 minutes	75 out of 200

Score for this quiz: **75** out of 200
Submitted Feb 26 at 2:16am
This attempt took 6 minutes.

Question 1	**0 / 25 pts**

Upload the Validation Accuracy Change Graph

Your Answer:

Couldn't complete

Не будь ленивым!

Question 2

0 / 25 pts

Upload the Loss Change Graph

Your Answer:

Couldn't complete

Не будь ленивым!

Question 3

0 / 35 pts

Upload the 25 misclassified images plot for L1

Your Answer:

Couldn't complete

Не будь ленивым!

Question 4

0 / 35 pts

Upload the 25 misclassified images plot for L2

Your Answer:

Couldn't complete

Не будь ленивым!

Question 5

45 / 50 pts

Share the link for your GitHub code for evaluation

Your Answer:

https://github.com/praveenraghuvanshi1512/EVA4/blob/Session-6/Session-6/Assignment-6/EVA_4_S6_Praveen_Raghuvanshi_all.ipynb

Question 6

30 / 30 pts

Explain your observation w.r.t. L1 and L2's performance in the regularization of your model.

Your Answer:

Without L1 & L2, Acc = 99.46%

With L1 only, Acc = 75.41%

With L2 only, Acc = 99.43%

With L1 and L2, Acc = 80.99%

From above, L2 is better than L1. L1 is penalizing less compared to L2.

L1 and L2 are both regularization technique to reduce the coefficients which leads to lower complexity and faster model.

L1 is used when we need to remove less important features.

Quiz Score: **75** out of 200