CSE5DL Assignment Report

This report chronicles answers to questions raised while completing the CSE5DL assignment.

# Task 1

## Task 1a

### Data issues

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## Task 1b

### Why not use random\_split?

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## Task 1c

### Reduce epoch time

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### Confusion

…

## Task 1d

### Account for data issues

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## Task 1e

### Vertical Flips

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### Effect of Augmentation

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### [Challenge] 5 crop augmentation

## Task 1f

### Experiments

* <See attached excel document>
* <See attached Weights and Bias Report>
* Write a discussion about the key findings from the experimental results.

### [Challenge] Batch size

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# Task 2

## Task 2a

### Data issues

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## Task 2b

### Similar embeddings

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## Task 2c

### Saved model weights

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### What do the longs (int64) represent?

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[CHALLENGE] Visualization of fine-tuned DistillBERT model.

## Task 2d

Class distributions and learning rate

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Relative performances before and after fixing learning rate

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