Basic Of Deep Learning - Mid Semester Project Part 2

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1 Introduction

Provide some background for the project. give some overall motivation. Use the "language" of deep learning to analyze the data and the problem you are trying to solve.

1.1 Data

content.

1.2 Problem

content.

2 Solution

2.1 General approach

Describe your preferred approach to solve the problem.

2.2 Design

Provide some general information about your code, platform, how long it took you to train it, technical challenges you had, Loss functions, Optimizers, Architecture, and more.

2.3 Base Model

Provide information about your base model. Make sure this part is clear to understand, provide as much details as possible. Provide results with tables and figures.

2.4 First Experiment

Provide information about your first experiment (changing the architecture). Make sure this part is clear to understand, provide as much details as possible. Provide results with tables and figures.

2.5 Second Experiment

Provide information about your second experiment (changing hyperparameters). Make sure this part is clear to understand, provide as much details as possible. Provide results with tables and figures.

2.6 Best model Results and Metrics

Show in detail the results of your best model and the relevant metrics. For the sake of the matter, it is permissible and even advisable to use graphs and visual means.

3 Discussion

Provide some final words and summarize what you have found from running the experiments you described above. Provide some high level insights.

4 Code

Please provide a link to your colab notebook.

Good luck!!