Final Project: M1 submission

50/50 Points

11/30/2024

Attempt 1

Review Feedback
11/30/2024

Attempt 1 Score:
50/50

View Feedback

Anonymous Grading: **no**

Unlimited Attempts Allowed

Details

The final project will have two milestones (M1 and M2) to track the progress. For M1, you will prepare a proposal report that includes your project information and any preliminary results, and for M2, you will submit your code, results, and final report.

The project proposal is a report that has the following sections:

1. Page 1: Your information (names, department), course name, and project title.

2. Page 2-~:

Section 1: Project introduction. Description of the feasibility of the selected project topic, including the data source (web links), choice of deep learning approaches, and evaluation plan.

Section 2: Any preliminary results. For example, dataset preparation, models trained, model parameters used, training accuracy, and test accuracy.

Section 3: Create a table defining the timeline: divide your project into subtasks and define a deadline for each subtask.

Section 4: List of references

You could choose one project from the following list:

1. Skin cancer detection

Skin cancer is the most common form of cancer, globally accounting for at least 40% of cancer cases. People with lighter skin are at higher risk. There are three main types of skin cancers: basal-cell skin cancer (BCC), squamous-cell skin cancer (SCC), and melanoma. Globally in 2012, melanoma occurred in 232,000 people and resulted in 55,000 deaths. Between 20% and 30% of melanomas develop from moles. In this project, we will develop deep learning-based solutions to classify images of skin moles into benign or malignant categories. Please download the following data file and code template for details, and try your best to achieve the best test accuracy. The baseline model's test performance is about 75.0%, and your test performance should be higher than the baseline model.**Skincancer_colab_stu_UPDATED.ipynb (https://canvas.uidaho.edu/courses/30734/files/3673113?wrap=1)** **(https://canvas.uidaho.edu/courses/30734/files/3673113/download?download_frd=1) data.zip (https://canvas.uidaho.edu/courses/30734/files/3268232?wrap=1)** **(https://canvas.uidaho.edu/courses/30734/files/3268232/download?download_frd=1)**

2. **Detect AI-generated text**. **https://www.kaggle.com/datasets/sunilthite/llm-detect-ai-generated-text-dataset (https://www.kaggle.com/datasets/sunilthite/llm-detect-ai-generated-text-dataset)**

3. **Emotion classification**. **https://www.kaggle.com/datasets/abdallahwagih/emotion-dataset (https://www.kaggle.com/datasets/abdallahwagih/emotion-dataset)**

If you plan to choose a project not from the list, please email me your project information by November 26.

(https://canvas.uidaho.edu/courses/30734/files/3268137/preview)

	File Name	Size	
	Final Pro...Plum.docx	19.5 KB	
	Skincance...lum.ipynb	56.4 KB	

(https://canvas.uidaho.edu/courses/30734/modules/items/1185408)

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