Assignment 2

Start Assignment

- Due Wednesday by 5:59am
- Points 15
- Submitting a file upload

Assignment 2.pdf (https://canvas.cmu.edu/courses/46907/files/12617743?wrap=1) ↓
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Assignment 2 Rubric		
Criteria	**Ratings**	**Pts**
Panel of Plots Create a well-formatted panel of plots (1pt) showing 1 random example of each image class (1pt)		2 pts
Histograms of Grayscale Values Select 2 classes and 10 random images from each (1 pt), create a histogram for each class (1 pt) and compare and analyze differences between histograms (1 pt)		3 pts
Neural Network Training Define and train a neural network (1 pt); Describe architecture (layers, activations, loss, optimizer) (1 pt); Compute learnable parameters manually and compare with model.summary() (1 pt)		3 pts
Model Performance Plot Plot loss and accuracy over training epochs (1 pt), Recommend an appropriate number of epochs (0.5 pt), Discuss signs of overfitting (1.5 pt)		3 pts
Final Report Present a clean, well-formatted report and include key code snippets and interpretations.		2 pts
Semester Project Proposal Describe the AI task and research question and mention potential datasets		2 pts
		Total Points: 15