CAP 5636 - Homework 2

Due Wednesday, September 18, 2024

From the website "Introduction to deep learning" http://introtodeeplearning.com watch the following lectures:

- Lecture 1: Intro to Deep Learning
- Lecture 2: Deep Sequence Modeling
- Lecture 3: Deep Computer Vision
- Lecture 4: Deep Generative Modeling

While watching the videos keep a notebook ready (on paper or on the computer). Take notes (N:) or questions (Q:) of one or two lines, prefixed by the time in the video. In particular, take a note when: (a) something in the video provided you with new knowledge or insight or (b) something in the video is either not understandable or led to a new question.

For instance:

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15:30 Q: Why would a backward connection in a neural network
be the same thing as memory?
18:00 N: So the reason why the object can be detected
everywhere in the screen is because the convolutions are
the same everywhere.
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I expect that you have at least 10 such notes or questions per lecture.

What to submit

A word or pdf document, with four sections, one for each of the lectures, each listing the notes/questions.