Deep Learning (Spring 2023)

Instructor: **Jiang, Huaizu**
Subject: **CS**
Catalog & Section: **7150 01**
Course ID: **34387**
Objectives:

Enrollment: **56**
Responses Incl Declines: **27**
Declines: **0**

Instructor Related Questions: Huaizu Jiang (21 comments)

Q: What were the strengths of this course and/or this instructor?

1	Very helpful. I have never learnt about CNNs and transformers so well. This was a positive experience.
2	Professor explain concepts in deep learning very clearly
3	Empathetic and cares
4	The course was well organized and assignments were designed well to prepare us.
5	The professor was well organized each class and had materials for the whole lesson. Any question that was asked would be given the time needed to answer. If the professor did not know the answer, he would admit that and follow up later online in Piazza. The professor was great to have and has made this class my most enjoyable within my Masters program to date.
6	The course is well planned. the instructor is very competent in Vision and communicating ideas in that field.
7	- coverage of concepts - in depth discussions
8	Instructor demonstrates the concepts well with examples. Assignments also are very good. They teach everything well.

Q: What could the instructor do to make this course better?

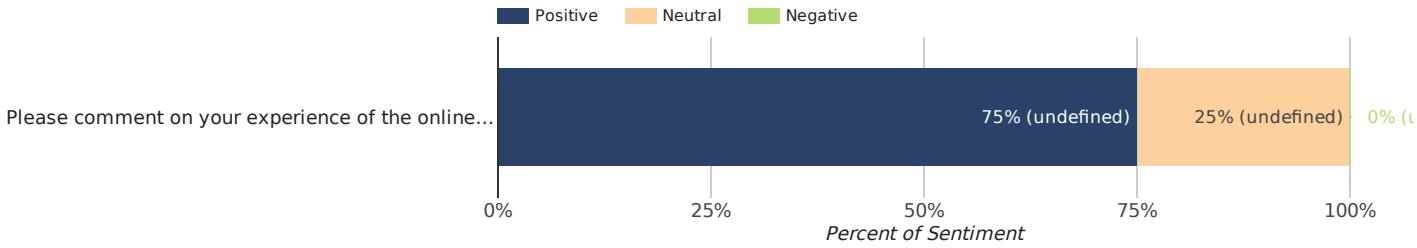
1	I didn't like the way RNNs and a bit of transformers were taught in class. Maybe the prof could spend more time on it.
2	Some guest lecturer could be better
3	Show code and incorporate it into lectures and syllabus.
4	For concepts that are difficult or 'must know', it would be good to have a wider view of why. As expressed by the professor, back propogation and multi head attention seem to be present in a lot of DL frameworks for example. I think backpropagation had a lot of attention paid to it as well as multi head attention.
5	1) Better unit tests in PA1 2) More modular code in PA2 3) De-emphasize the grading of the project and make PA3 mandatory with greater weightage.
6	- Maybe hold more office hours. Just 3 hours per week is very less.
7	Cover RNN and transformer before advanced CV topics like object detection and segmentation. For the advanced topics like VAE and deep RL provide pseudo code.
8	I believe everything is good and perfect.

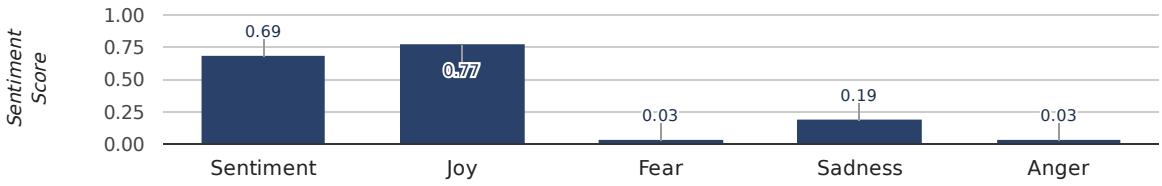
Q: Please expand on the instructor's strengths and/or areas for improvement in facilitating inclusive learning.

1	Strengths: Very helpful. I have never learnt about CNNs and transformers so well. This was a positive experience. Assignments were extremely helpful to gain understanding. Extremely well designed course. Yiming was a great TA! Improvements: CNNs were taught very well but RNNs were not. Just that.
2	The recap at the beginning of class is slightly extensive. Moving onto new material after a few minutes of review would be helpful.
3	He has a wide range of knowledge and expertise in Deep Learning.
4	The professor was excellent at making the environment feel inclusive. I think it helped that the professor did not take himself too seriously, but still had an air of authority. For instance, on subjects that were esoteric, he would say that the subject was challenging for him when he started and still is (the nuts and bolts of LSTM for example!).
5	He teaches the concepts very well. Latest architectures are taught in the classroom.

Questions to Assess Students' Online Experience (4 comments)

Q: Please comment on your experience of the online course environment in the open-ended text box.





1	I always attended in-person ★★★☆☆
2	It was good. Great instructor. ★★★★★
3	The professor was very dilligent in ensuring that questions were answered on Piazza along with the TAs help. I had a great experience with Trung, a TA, who helped me tremendously. ★★★★★
4	It was a great learning experience. ★★★★★

Student Self-Assessment of their Effort to Achieve Course Outcomes (5 comments)

Q: What I could have done to make this course better for myself.

1	Read more research papers.
2	Coding on screen. The assumption makes the coding seem like magic.
3	Getting started on programming assignments earlier.
4	Started programming assignments and the project earlier to have more time.
5	Everything was good. The instructor does a great job in explaining the concepts clearly.