

## TEACHER REPORT

Name of Teacher	Min-Yen Kan
Module	CS3244-Machine Learning (LECTURE)
Academic Year/Sem	2021/2022 - SEM 1
Department	COMPUTER SCIENCE
Faculty	SCHOOL OF COMPUTING

Raters	Student
Responded	183
Invited	291
Response Ratio	63%

Note:

Class Size = Invited; Response Size = Responded; Response Rate = Response Ratio

### A. GUIDELINES FOR INTERPRETING THE REPORT

The teacher evaluation report is for developmental purposes and is meant to help identify strengths and areas for improvement. Please consider the following recommendations that will aid in interpreting the results:

1. Examine the report by taking note of patterns in order to consider how best to act on the feedback your students have taken the time to provide. Use the reflection section at the end to reflect upon how you might act on the feedback.
2. These evaluations stem from student perception and thus constitute one source of evidence among others as to the quality of your teaching. Any response to the feedback should be based on the most representative results rather than on outlying responses.
3. Upon getting a general sense as to what has gone well, and which areas may require attention and improvement, it is important to drill down to the related questions. These questions can help guide future action if feedback from students suggest areas for improvement.
4. Keep both the likert scale and written comments in mind while reading through the report. High scores (4+) suggest student consensus indicating a strength. On the other hand, low scores (2-) should be considered as an area that requires immediate developmental focus based on student feedback.

## B. NOMINATION FOR TEACHING AWARDS

	Response Count
I would like to nominate Min-Yen Kan for teaching awards	24

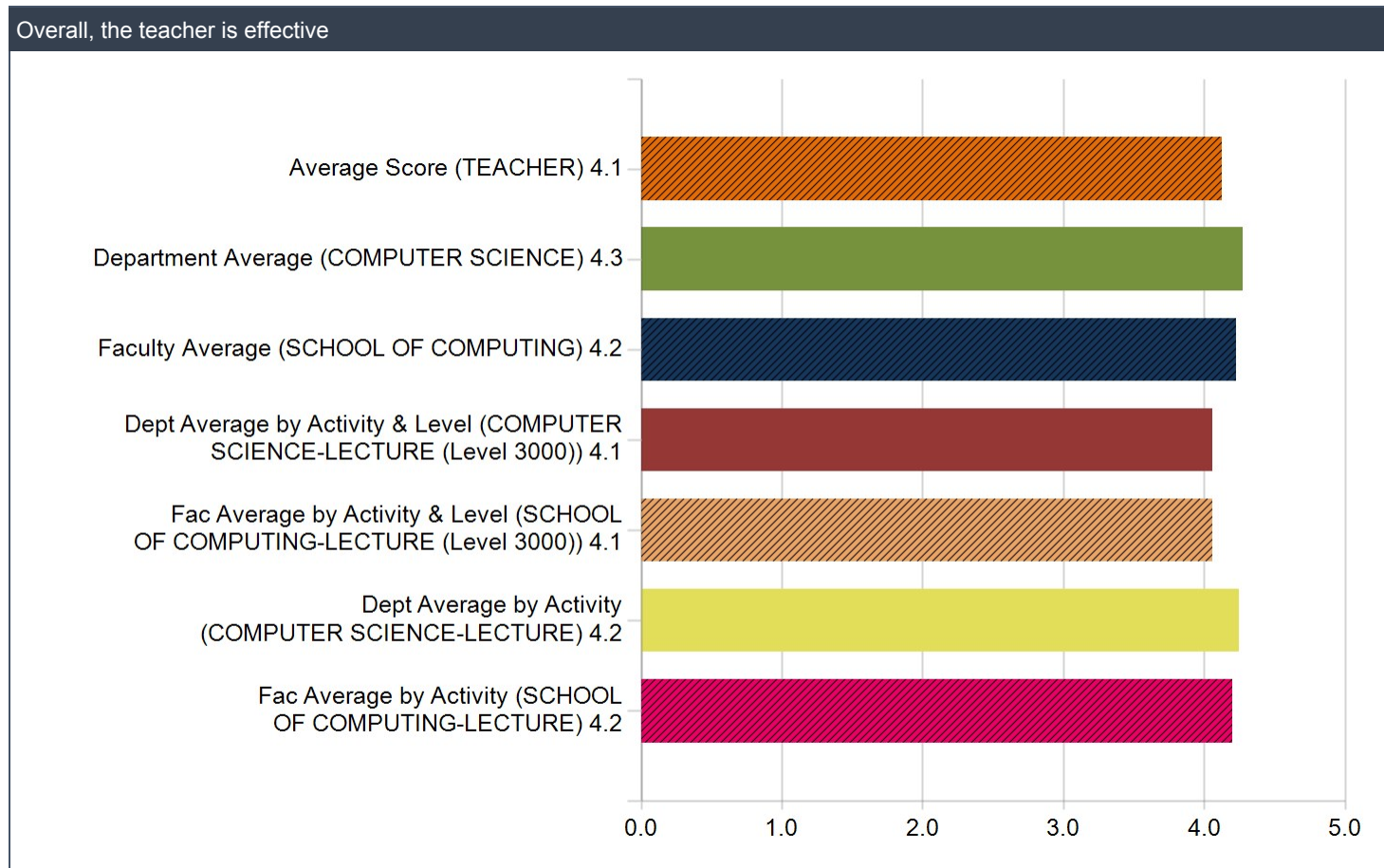
Comment
- He has great passion in teaching
- Prof Min has really gone the extra mile to consider students' learning experience this semester, in terms of having a highly interactive and engaging module design. In particular he has taken the time to respond to students queries and concerns regarding the module and project matters, and always been open to receiving feedback and hearing from us personally, which I appreciate. On top of all this, he is a fantastic lecturer who is able to succinctly explain difficult concepts, in such a way that I do not need to watch the lecture recordings again. Many profs now take advantage of the lecture recording system to suggest that students who do not keep up should just watch again, but I have not had that issue with Prof Min's topics.
- Prof Min is able to articulate the course material well, and takes great effort in crafting the curriculum to balance theory and application. He also tries his best to engage students, be it through physical lecture participation or with activities in lecture.
- Clear and methodical teaching, teaching team overall managed the course very well, respecting that students need to juggle multiple commitments. The workload is well spread out and I feel like Prof Kan has played a big role for all of these improvements. He is great at simplifying information and conveying it in a digestible way
- Nice teaching
- very clear explanations, answers students' questions in time;
- A great and helpful professor
- Prof Kan is very dedicated to the module.
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- very nice and approachable prof, care about students
- He was very responsible and always responding to our queries in time throughout the semester.
- Kind teacher
- I have learnt a lot from this module
- Very passionate lecturer Lectures are interactive and engaging Use of analogies to aid understanding of concepts
- The way he teaches a topic is engaging and the feedback given for projects are relevant and encourage thinking.
- He is a great lec who is concerned about his students
- He is very humorous and patient. He is very knowledgeable. He designed the module very well.
- Very engaging
- Dedicated, do not hesitate to help students
- NA
- Able to teach the topic very clearly and puts in a lot of effort to this module
- Can teach
- Passionate instructor, I think all instructors in NUS should strive to be like him in terms of verve and conduct.
- Min's lessons are lively with good examples and extra detailed.
- The way he monitored all the students was very effective + he's also very passionate in the module itself.

### C. STUDENT FEEDBACK SCORES

#### (i) Rating Score

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)		Faculty Average (SCHOOL OF COMPUTING)	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Overall, the teacher is effective.	4.1	0.8	4.3	0.8	4.2	0.8

Question	Average Score (TEACHER)	Dept Average by Activity & Level (COMPUTER SCIENCE-LECTURE (Level 3000))	Fac Average by Activity & Level (SCHOOL OF COMPUTING-LECTURE (Level 3000))	Dept Average by Activity (COMPUTER SCIENCE-LECTURE)	Fac Average by Activity (SCHOOL OF COMPUTING-LECTURE)
	Mean	Mean	Mean	Mean	Mean
Overall, the teacher is effective.	4.1	4.1	4.1	4.2	4.2



Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)		Faculty Average (SCHOOL OF COMPUTING)	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
The teacher has enhanced my thinking ability.	4.1	0.9	4.3	0.8	4.2	0.8
The teacher provided timely and useful feedback.	4.1	0.8	4.3	0.8	4.2	0.8
The teacher has increased my interest in the subject.	4.1	0.9	4.2	0.8	4.2	0.9
Average of Q1-Q3	4.1	0.9	4.2	-	4.2	-

Question	Average Score (TEACHER)	Dept Average by Activity & Level (COMPUTER SCIENCE-LECTURE (Level 3000))	Fac Average by Activity & Level (SCHOOL OF COMPUTING-LECTURE (Level 3000))	Dept Average by Activity (COMPUTER SCIENCE-LECTURE)	Fac Average by Activity (SCHOOL OF COMPUTING-LECTURE)
	Mean	Mean	Mean	Mean	Mean
The teacher has enhanced my thinking ability.	4.1	4.1	4.1	4.3	4.2
The teacher provided timely and useful feedback.	4.1	4.0	4.0	4.2	4.2
The teacher has increased my interest in the subject.	4.1	4.0	4.0	4.2	4.1
Average of Q1-Q3	4.1	4.0	4.0	4.2	4.2

### Department Specific Questions

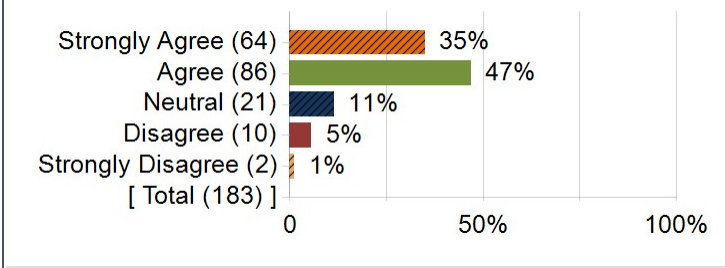
Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher engaged me in useful interactions that have enhanced my learning.	4.2	0.8	4.2	0.8

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher's attitude and approach encouraged me to think and work in a creative and independent way.	4.2	0.8	4.2	0.8

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher cares about student development and learning.	4.3	0.7	4.3	0.8

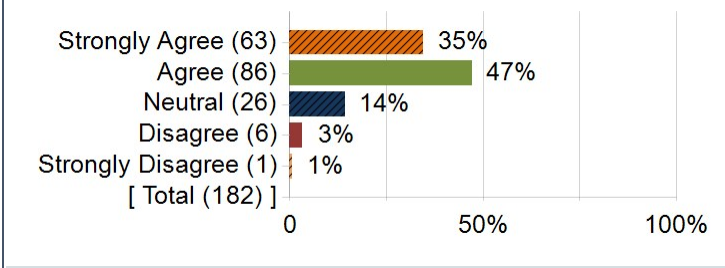
**(ii) Distribution of Responses and Additional Statistics**

**1. The teacher has enhanced my thinking ability.**



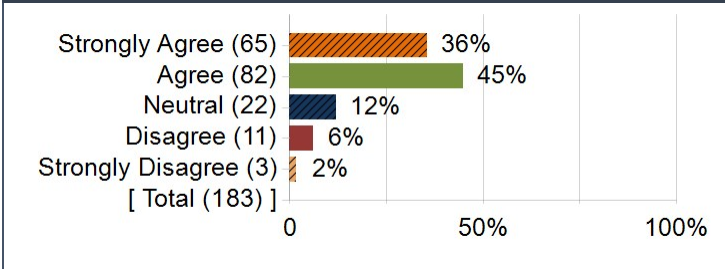
Statistics	Value
Response Count	183
Mean	4.1
Median	4.0
Mode	4
80th Percentile	5.0
Standard Deviation	0.9
Positive Feedback	82%

**2. The teacher provided timely and useful feedback.**



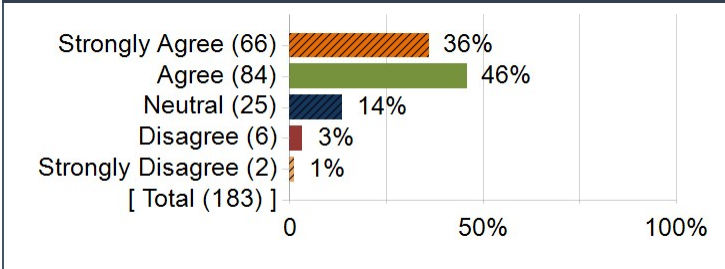
Statistics	Value
Response Count	182
Mean	4.1
Median	4.0
Mode	4
80th Percentile	5.0
Standard Deviation	0.8
Positive Feedback	82%

**3. The teacher has increased my interest in the subject.**



Statistics	Value
Response Count	183
Mean	4.1
Median	4.0
Mode	4
80th Percentile	5.0
Standard Deviation	0.9
Positive Feedback	80%

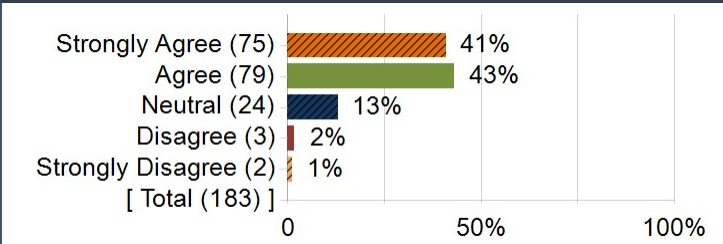
**4. Overall, the teacher is effective.**



Statistics	Value
Response Count	183
Mean	4.1
Median	4.0
Mode	4
80th Percentile	5.0
Standard Deviation	0.8
Positive Feedback	82%

**The teacher engaged me in useful interactions that have enhanced my learning.**

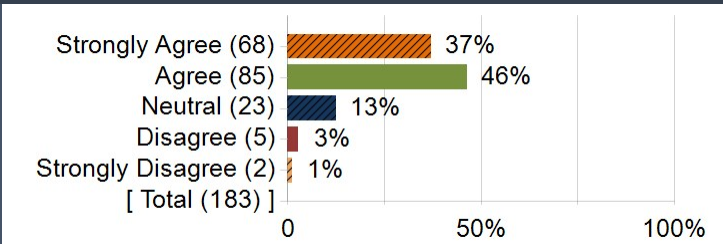
The teacher engaged me in useful interactions that have enhanced my learning.



Statistics	Value
Response Count	183
Mean	4.2
Median	4.0
Mode	4
80th Percentile	5.0
Standard Deviation	0.8
Positive Feedback	84%

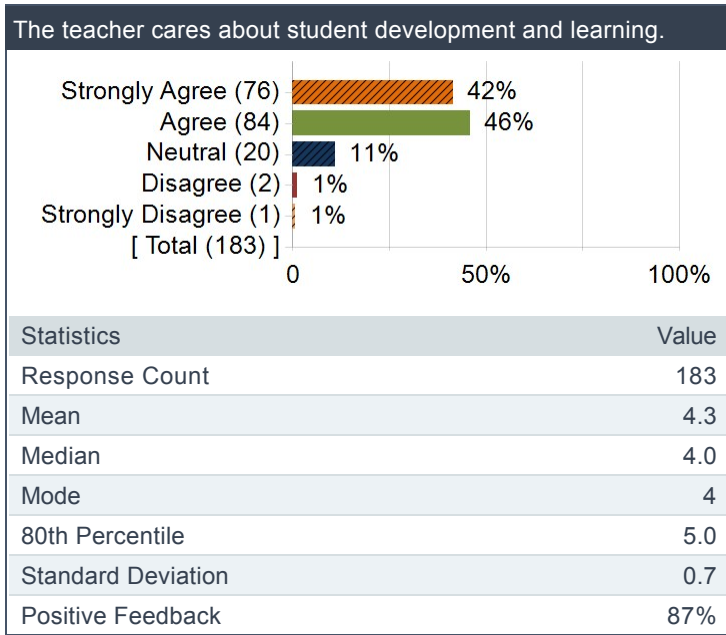
**The teacher's attitude and approach encouraged me to think and work in a creative and independent way.**

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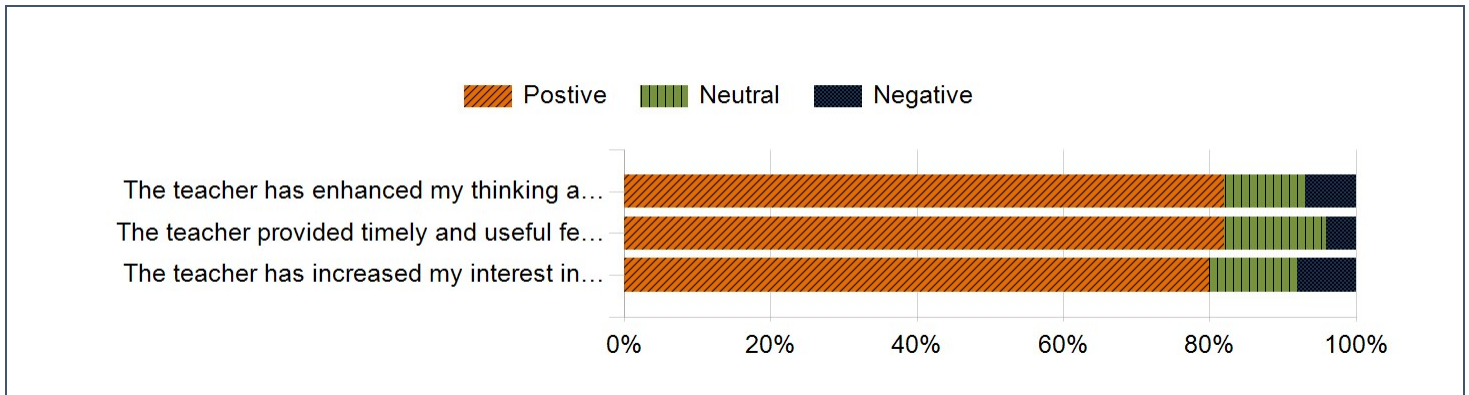


Statistics	Value
Response Count	183
Mean	4.2
Median	4.0
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Standard Deviation	0.8
Positive Feedback	84%

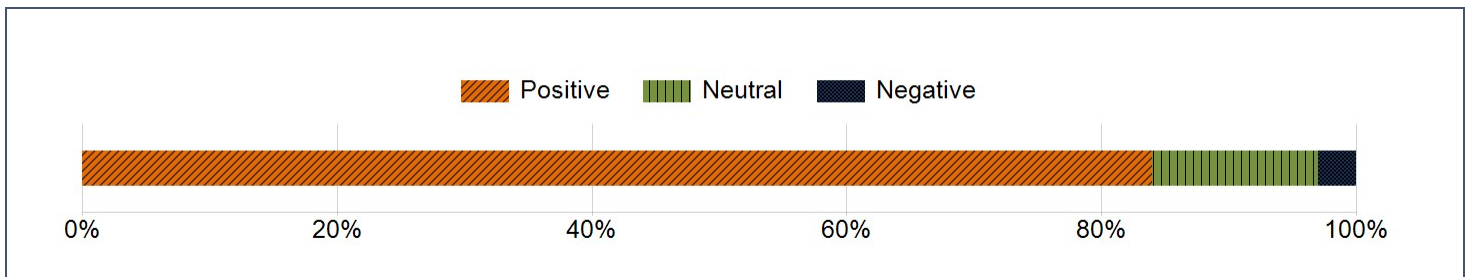
**The teacher cares about student development and learning.**



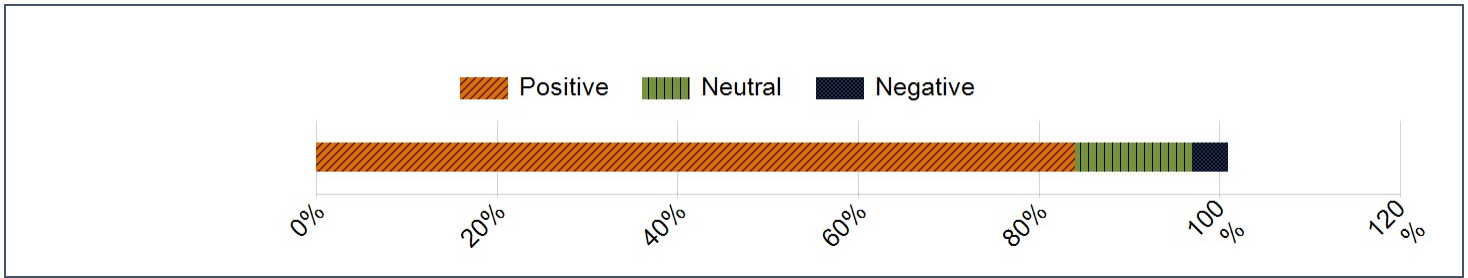
**(iii) Scale Distribution of Responses**



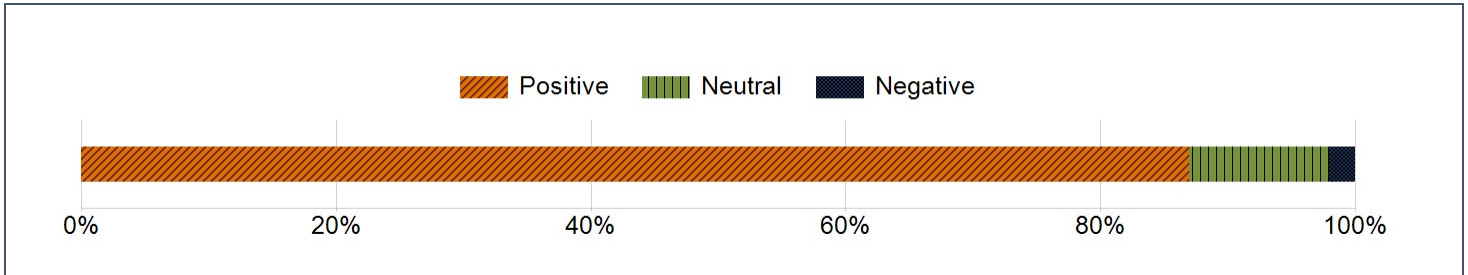
**The teacher engaged me in useful interactions that have enhanced my learning.**



The teacher's attitude and approach encouraged me to think and work in a creative and independent way.



The teacher cares about student development and learning.



#### (iv) Rating Scores vs. Gender

Question	M	F	Overall
The teacher has enhanced my thinking ability.	4.1	4.1	4.1
The teacher provided timely and useful feedback.	4.1	4.1	4.1
The teacher has increased my interest in the subject.	4.1	4.0	4.1

## D. STRENGTHS

### What are Min-Yen Kan's strengths?

Comments
concerned about students' learning, committed to designing a good learning experience. willing to hear feedback from students and interact on a 1 on 1 level. good lecturer.
Cares alot about student learning, highly responsive
Makes things easy to understand
His voice is soothing
He gives useful advice not just about ML models, but also how to learn and apply ML.
Patience
explanations
Very interactive and interesting
No idea
very clear explanations, answers students' questions in time;
Very clear explanations Being able to simplify abstract ML concepts and present them to ML beginners like us
nil
He explained the concept very carefully and he always made sure that all questions are answered during the lecture
Patient in clarifying doubts and explaining concepts
Prof was very responsible and always responding to our queries in time throughout the semester. The use of Slack as the module communication channel was very effective.



Comments
very engaging and friendly
His personality and confidence and approachability
Prof Min is delivers content clearly so we are able to understand his lectures.
Breaks down the complex lecture material into easy to understand information
Able to explain things well.
Good at building intuition for concepts
Very passionate lecturer Lectures are interactive and engaging Use of analogies to aid understanding of concepts
Clear in explanations
nil
–
He is very well versed in the topic and it shows clearly
Passionate about teaching and ML
Interesting and engaging lectures
Good use of visualization tools to help students understand tough mathematical concepts
He is very humorous and patient. He is very knowledgeable. He designed the module very well.
Helpful in resolving doubts and questions that students have.
Very engaging
Passionate and knowledgeable about subject material. Good at providing helpful analogies.
NIL
NIL
NA
–
Knowledgeable
–the lectures are quite engaging and slow to follow
Excellent instructor who really shows his passion for the subjects. Very well articulate, has a really apt sense of humor, structures content in a way that students really can follow through, sets precedents so that we understand why we need to learn something before actually teaching us the content.
Patient
Min is clear and concise – he also has good intentions towards the module objectives, for us to learn to think critically instead of blindly chasing for higher performance metrics (specific to the project). Overall a kind and patient educator.
Prof Min explains difficult concepts in a easy way.
Min's lessons are lively with good examples and extra detailed.
He cares about every student and tutors, he is extremely diligent as he's always available to chat through slack
lectures are engaging, explanations and (real world) examples are clear and help very much in understanding. Clearly very passionate about ML which really makes me more excited about the topics as well. Using Slack to increase interaction during lectures is also fun.
Patient and approachable
Engaging and interesting
clear and concise explanation to students' questions, holding AMA sessions

## E. AREAS FOR IMPROVEMENT

What improvements would you suggest to Min-Yen Kan?

Comments
–
Some explanations could be a bit clearer – e.g. deterministic noise (found the explanation on Wikipedia more intuitive)

## Comments

Tribes of ML was mentioned early on but not revisited later on...

Math and notation could be better explained or made clear.

Set papers and assignments with proper weightage shown to students

Talk faster

slides can be more informative, does not include key details or certain concepts

Slides are not very straight forward

Stop ending lectures so late all the time. Everything is such a mess

To include more of the content he verbally explains in his slides

To either speak louder or use a mic if he is conducting a physical lecture and speaking to a group of students in a lecture theatre

nil

make better slides please and please don't assume that your students know everything

His pace is quite slow that many of his lectures went beyond 2 hours

Lectures are conducted in a messy way. Things are not explained clearly.

Module was hard to follow as there were students with prior background knowledge to the module. Felt that I was always lagging behind, especially for the project, vast differences in skill level.

I think it'd be great if we can go through the algorithm in more depth.

n/a

Time management.

Explain Math more thoroughly. While it is good to explain in terms of big picture, there's also a need to explain small details

The slides can be touched up with more concrete examples rather than general statements about deeper concepts.

Would also appreciate explanations to be more indepth rather than glossed over.

lecture slides need to be clearer and would appreciate if the logic flowed more

nil

-

Some of the lecture notes are abit unclear

The slides were sometimes very confusing, which made learning also confusing

nil

Nil

Nothing.

NIL

Could define notations before jumping into a bunch of mathematical notations. Telling me the content is mathematically heavy but not going into notation detail doesn't help.

Please try to end lectures on time :(

Improve on flow of lecture, at times, the jumps to different sections are abrupt

NIL

NA

err be clearer when teaching?

NIL

the lecture slides can be more detailed; the current ones dont help with revision

Superb!

-

Let our creativity flow in the form of 1000 circles around the correct answer on the Zoom sharescreen :)

NIL

Can add in more essential notes on lecture notes so students can more effectively review the content.

Please don't be too strict with when it comes to giving score :"(

Maybe lecture (distinct from slack participation) attendance should not be graded as I truly feel like I learn better watching a

Comments
recorded lecture due to the availability of speed adjustment.
Nil
for the midterms on LumiNUS, should provide an example of how much explanation we should give.

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## F. SELF-REFLECTION

1. When comparing these results to the previous year's results, what areas have shown improvement?
2. What areas remain to be improved and what are the necessary steps / actions to do so?
3. Are there colleagues who could potentially guide me?
4. Are there issues that require departmental or institutional support?