

TEACHER REPORT

Name of Teacher	Kan Min-Yen
Module	CS3244-Machine Learning (LECTURE)
Academic Year/Sem	2018/2019 - SEM 1
Department	COMPUTER SCIENCE
Faculty	SCHOOL OF COMPUTING

Raters	Student
Responded	85
Invited	160
Response Ratio	53%

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 Kan Min-Yen for teaching awards	6

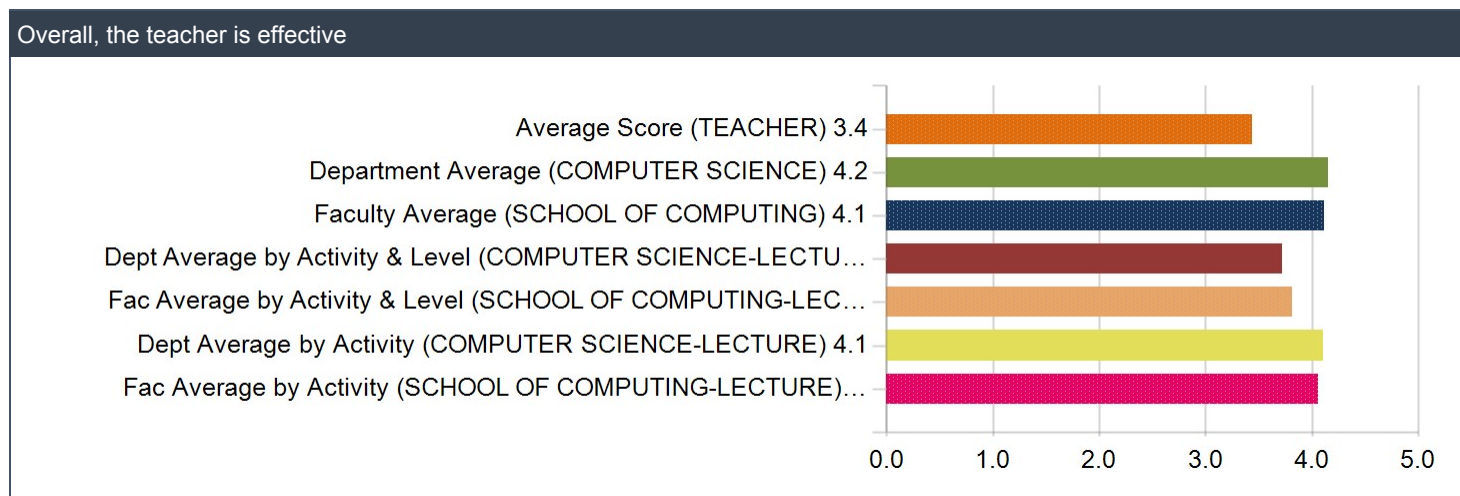
Comment
- I think he genuinely cares about students and this module.
- He was very good at introducing such a complex concept and taught both the uses of machine learning as well as how it actually works. As a result I got a very complete introduction to machine learning
- Prof Kan is one of the most dedicated professors in SoC.
- Commendable effort in managing this heavy module
- Dedicated teacher committed to improving and delivering the best to students.
- Tried his best to teach this module in an interesting way although it was very taxing for him and his team

C. SUMMARY OF TEACHING SCORES

(i) Teaching Rating Score Analysis

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.	3.4	1.2	4.2	0.8	4.1	0.9

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.	3.4	3.7	3.8	4.1	4.1



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.	3.6	1.1	4.2	0.8	4.1	0.8
The teacher provided timely and useful feedback.	3.5	1.1	4.1	0.8	4.1	0.9
The teacher has increased my interest in the subject.	3.5	1.2	4.1	0.9	4.0	0.9
Average of Q1-Q3	3.5	1.2	4.1	-	4.1	-

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.	3.6	3.8	3.8	4.1	4.1
The teacher provided timely and useful feedback.	3.5	3.8	3.8	4.0	4.0
The teacher has increased my interest in the subject.	3.5	3.7	3.8	4.1	4.0
Average of Q1-Q3	3.5	3.7	3.8	4.1	4.0

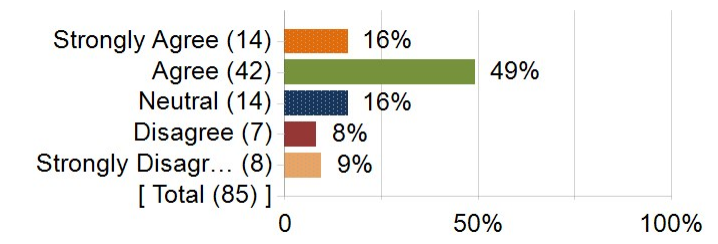
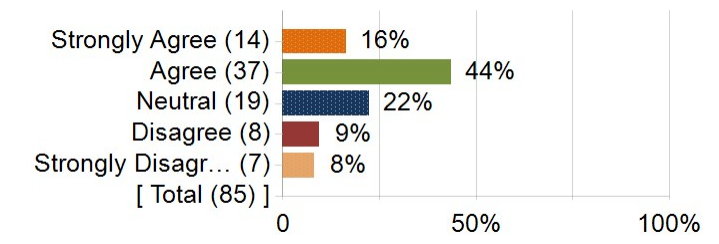
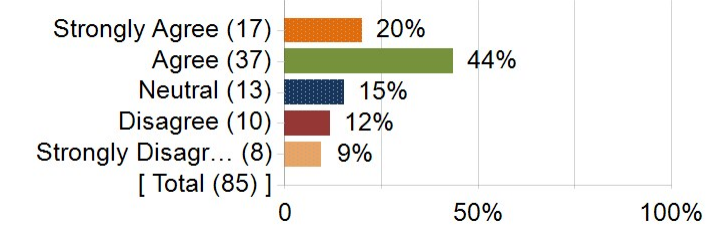
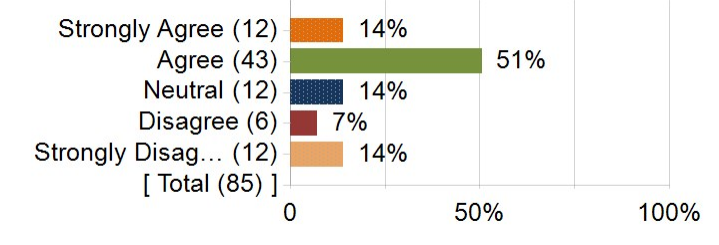
Department Specific Questions

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher has enhanced my ability to communicate the subject material.	3.5	1.1	4.1	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.	3.5	1.2	4.1	0.8

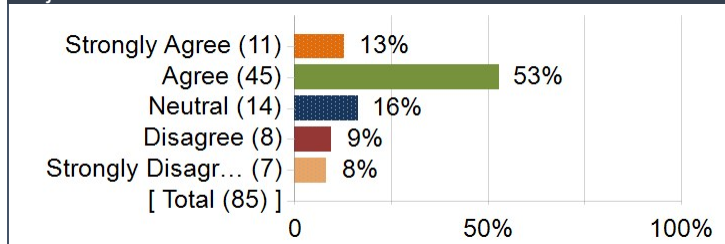
Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher cares about student development and learning.	3.8	1.1	4.2	0.8

(ii) Teacher Rating Frequency Analysis

1. The teacher has enhanced my thinking ability.		2. The teacher provided timely and useful feedback.	
			
Statistics	Value	Statistics	Value
Response Count	85	Response Count	85
Mean	3.6	Mean	3.5
Median	4.0	Median	4.0
Mode	4	Mode	4
80th Percentile	4.0	80th Percentile	4.0
Standard Deviation	1.1	Standard Deviation	1.1
Positive Feedback	66%	Positive Feedback	60%
3. The teacher has increased my interest in the subject.		4. Overall, the teacher is effective.	
			
Statistics	Value	Statistics	Value
Response Count	85	Response Count	85
Mean	3.5	Mean	3.4
Median	4.0	Median	4.0
Mode	4	Mode	4
80th Percentile	4.2	80th Percentile	4.0
Standard Deviation	1.2	Standard Deviation	1.2
Positive Feedback	64%	Positive Feedback	65%

The teacher has enhanced my ability to communicate the subject material.

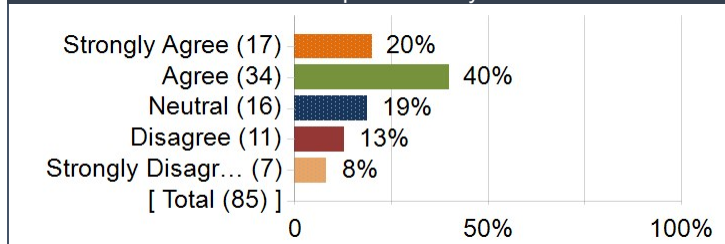
1. The teacher has enhanced my ability to communicate the subject material.



Statistics	Value
Response Count	85
Mean	3.5
Median	4.0
Mode	4
80th Percentile	4.0
Standard Deviation	1.1
Positive Feedback	66%

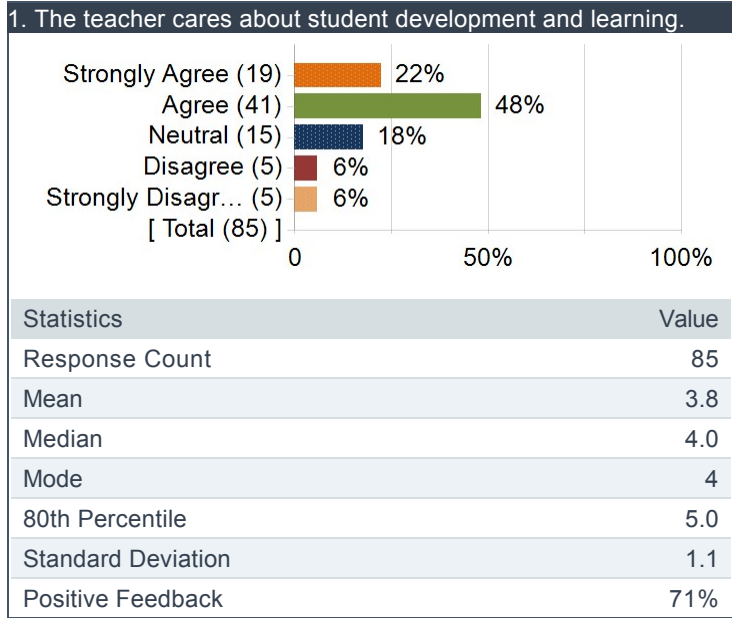
The teacher's attitude and approach encouraged me to think and work in a creative and independent way.

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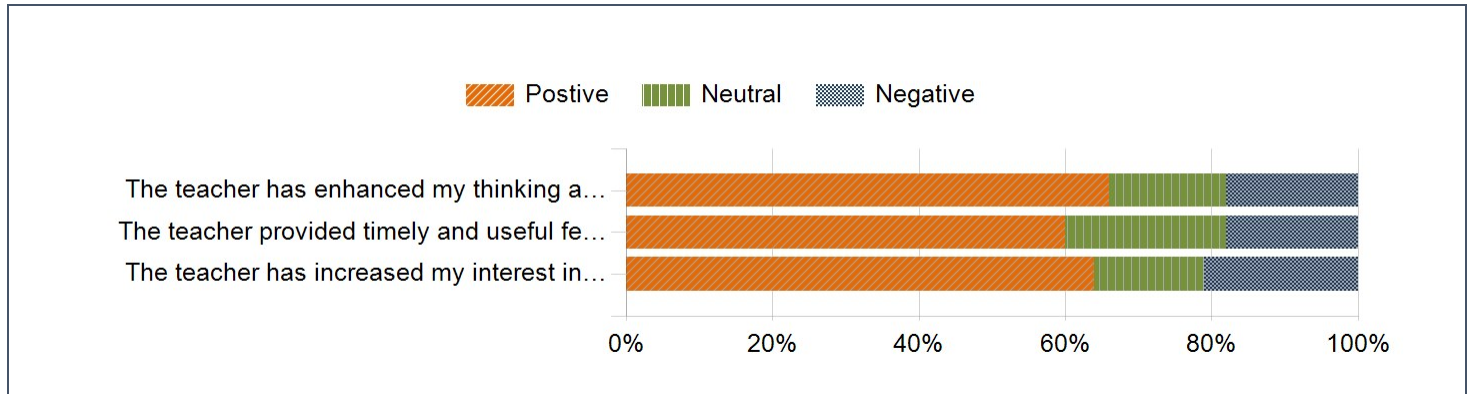


Statistics	Value
Response Count	85
Mean	3.5
Median	4.0
Mode	4
80th Percentile	4.2
Standard Deviation	1.2
Positive Feedback	60%

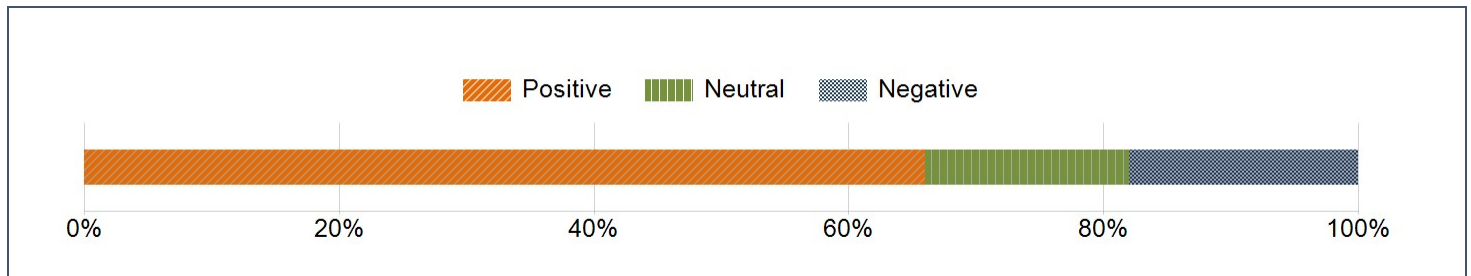
The teacher cares about student development and learning.



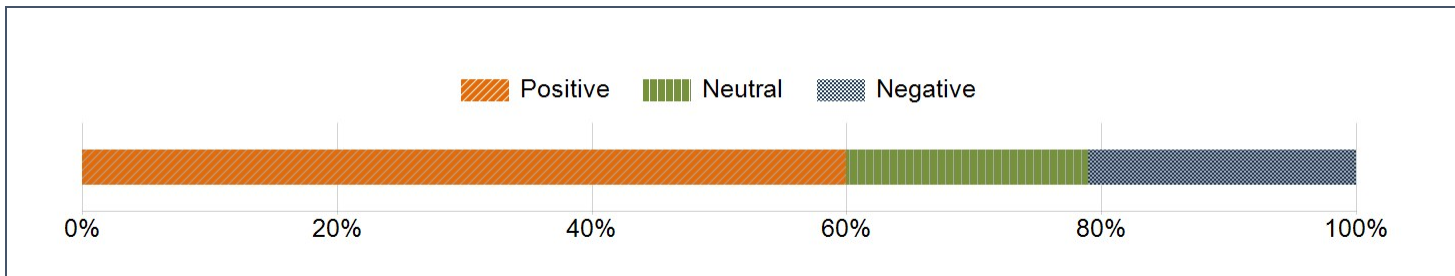
(iii) Teacher Rating Analysis Based on Scale Distribution



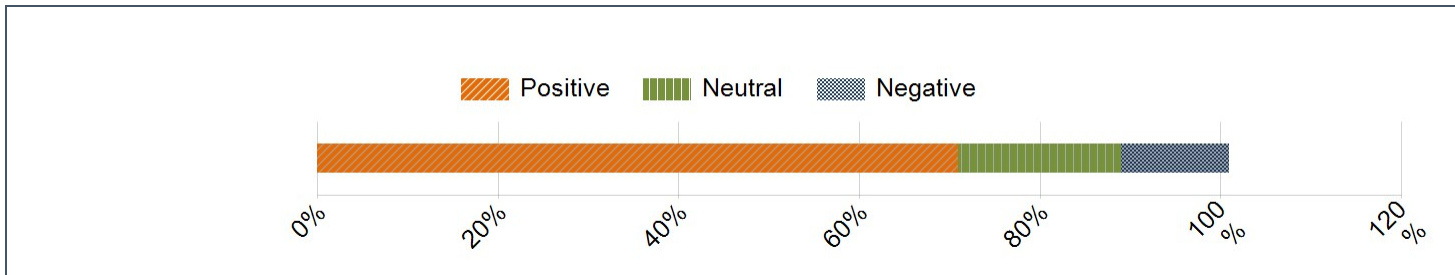
The teacher has enhanced my ability to communicate the subject material.



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) Teacher Rating Scores vs. Gender

Question	M	F	Overall
The teacher has enhanced my thinking ability.	3.6	3.5	3.6
The teacher provided timely and useful feedback.	3.6	3.4	3.5
The teacher has increased my interest in the subject.	3.6	3.5	3.5

D. STRENGTHS

What are Kan Min-Yen's strengths?

Comments
He is able to communicate the material well. He cares for the students and is always seeking to teach the subject better.
NIL
Clear explanations of machine learning concepts, which can be very hard to teach
None
He's relatable and really nice. He offers consultation and cares about the development of students. He is knowledgeable about what he teaches too.
Concerned about students' learning, tries his best to respond to students' queries promptly, tries his best to give students a good foundational introduction to machine learning, able to balance multiple responsibilities at the same time (lecturing, notebooks, responding to students' queries)
Knows content well
Great knowledge, caring.
Introduce the course systematically. Bring up the numerous materials in the field of machine learning.
using big words
He is well prepared for the lesson and he puts in many effort to deliver the concepts to the students.
can explain well
Nil
na
NIL
Great communications and understanding of the topic Very nice character towards teaching
Clear,made module interesting and applicable with the project.
Nice and passionate
academia
He tries to make the pre and post class videos interesting. He covered different aspects of machine learning, from the 5 tribes of machine learning to algorithms to machine learning ethics.
Really helpful when students are asking for advice or help. Speaks clearly during lectures and presentations.
nothing
-The notes are very concise -Love the in class collaboratory notebooks as it gives us hands on work with timely help
Very passionate teacher that genuinely cares about the learning of students. Prof Min is easy to approach and speak to; I especially appreciate that he walks around in lectures and checks on the different groups to ensure they are doing okay. Never fails to make time for students to consult him in spite of his schedule, the dedication to the role is respectable.
-
N/A
nil

E. AREAS FOR IMPROVEMENT

What improvements would you suggest to Kan Min-Yen?

Comments
I hope Prof Kan will continue to improve this module. I understand that there are some hiccups due to the massive changes made to this module.
Please no more flipped classroom format. Hard to learn the math and understanding through videos.
Needs to give more timely feedback and concept explanation is lacking
Nil

Comments
Upload lecture slides on time. MCQ is a bad way to assess this module requirement for midterm. Following instructions and coding is just practicing our coding abilities and lastly, unnecessary STEPS involvement added to our workload at the assignment deadline week. and due to the delay of the lecture videos, it not only affect our learning for this module but also affect our schedules for our modules as well. The constant changing in deadline is also a factor. Midterms should be held in a proper location like MPSH since the module has such a huge intake of students.
He needs more manpower to facilitate his classes, a lot of the issues/hiccups were due to the large class size and lack of manpower.
I understand that the course is revamped and therefore there are many uncertainties, I feel like this direction is good. I think he could perhaps rest more!! He seems tired.
Timeliness of material preparation but I understand that he is restructuring the syllabus of the module and it takes some time, but sometimes the delays add up and it is stressful
Correctness of material, mistakes in the lecture notes, but I understand it is due to lack of time for preparation
Should explain the context and foundational concepts first before explaining the more advanced concept, as opposed to jumping straight into the more advanced concept, so that it is easier for students to comprehend
the pre and post class videos are all just reading scripts. And the sentence are long and hard to understand, please use more narrative and easy-to-understand approach. Otherwise the videos seems not very useful, cuz everything i need to google for other useful videos.
Nil
Release videos in a more timely manner.
The project in the module can have more guidances. While the supervision w.r.t. the progress of the project is timely and effective, a more technical and engineering guidance is insufficient. I understand that the ability of independently acquiring knowledge is important. However, it is an unrealistic requirement for starters to build a meaningful project with this level of guidance. It's like doing integration when only taught "1+1=2". It is a good exposure and exploration experience but we obviously have more ambitions that are unsatisfied.
-clear teaching -learn how to explain things effectively.
NIL.
Go back to normal lectures.
na
NIL
Nil
-
I did not like the module format with videos, but it is not really a problem with the teacher
na
Do away with the flipped classroom approach. Give more examples for the various concepts taught. Give full solutions for each notebook question especially when mathematical calculations are involved.
Lectures are not time-effective. A lot of time is wasted trying to debug code instead of learning the concepts and algorithms that we are supposed to learn.
a better explanation of the lecture, I learned nothing from this module asking students who have learned nothing about ML coding to do a project is too absurd.
I felt that in this iteration of the course tries to cover too many concepts and algorithms in machine learning. As a result, the content was more breadth than depth. The lack of explanation of some mathematical concepts left me confused and lost sometimes. I would suggest that the content covered should be narrowed down and more emphasis should be placed on explaining the concepts in depth and going through the mathematical rigour of important concepts.
Is it possible to have lecture notes with more explanation? I had to spend quite a lot of time to pause and copy down notes.
-
nil

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?