

TEACHER REPORT

Name of Teacher	KAN MIN-YEN
Module	CS3244-MACHINE LEARNING (LECTURE)
Academic Year/Sem	2016/2017 - SEM 1
Department	COMPUTER SCIENCE
Faculty	SCHOOL OF COMPUTING

Number of Responses

Statistics	Value
Response Count	63

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 (see the detailed report). 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	8

Comment
-He's a passionate teacher who teaches clearly. He also relates a lot of the concepts we learned in class to real life applications
-Great job for the restructuring of the module.
-Friendly and approachable professor. Understands the troubles of students well.
-I really like his lecturing style!
-Best
-Good explanation
-Great teacher
-Hard working

C. SUMMARY OF TEACHING SCORES

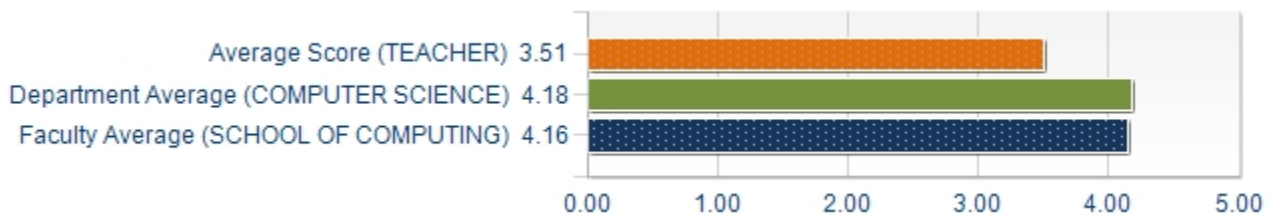
(i) Teaching Rating Score Analysis

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)		Faculty Average (SCHOOL OF COMPUTING)	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
The teacher has enhanced my thinking ability.	3.59	1.06	4.19	0.80	4.17	0.82
The teacher provided timely and useful feedback.	3.51	1.18	4.18	0.83	4.16	0.85
The teacher has increased my interest in the subject.	3.60	1.13	4.06	0.91	4.04	0.92
Average of Q1-Q3	3.57	1.12	4.14	-	4.12	-

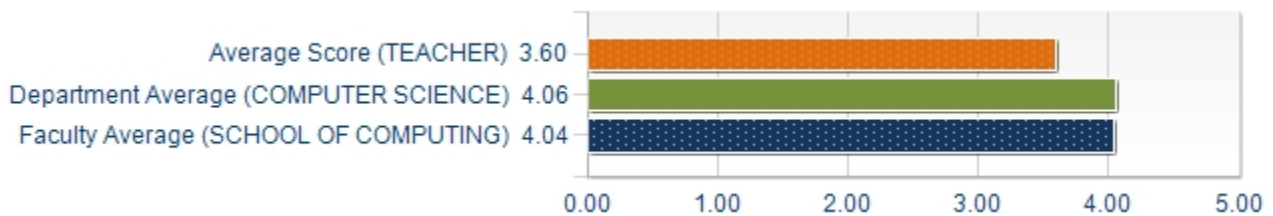
1. The teacher has enhanced my thinking ability.



2. The teacher provided timely and useful feedback.



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



Question	Average Score (TEACHER)	Department Average (COMPUTER SCIENCE)	Faculty Average (SCHOOL OF COMPUTING)
	Mean	Mean	Mean
Computed Overall Effectiveness Score	3.62	4.20	4.17

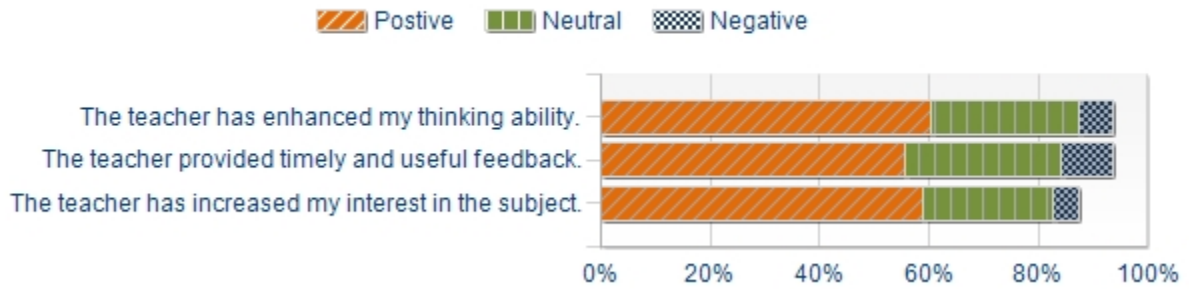
Department Specific Questions

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.	3.57	1.04	4.11	0.81

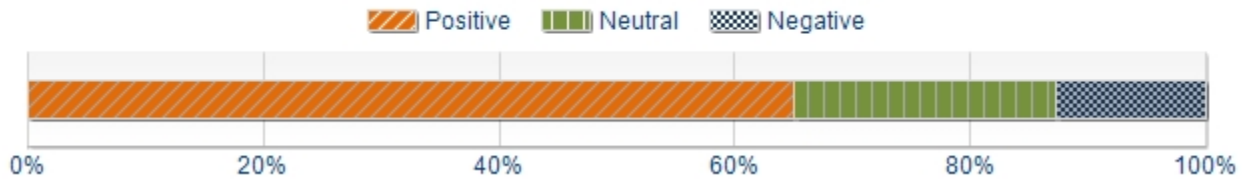
Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher's attitude and approach encouraged me to think and work in a creative and independent way.	3.70	0.98	4.13	0.84

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher cares about student development and learning.	3.78	1.04	4.19	0.82

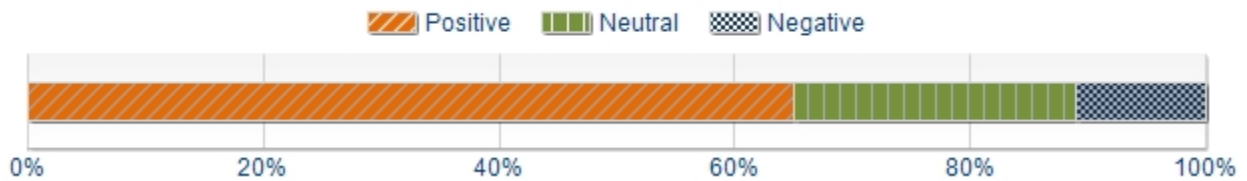
(ii) Teacher Rating Analysis Based on Scale Distribution



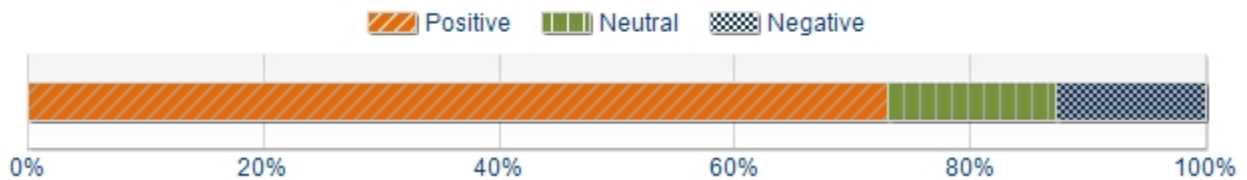
The teacher has enhanced my ability to communicate the subject material.



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

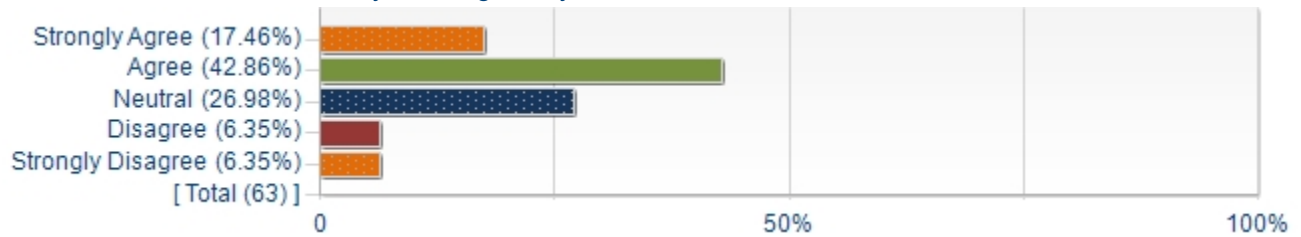


The teacher cares about student development and learning.



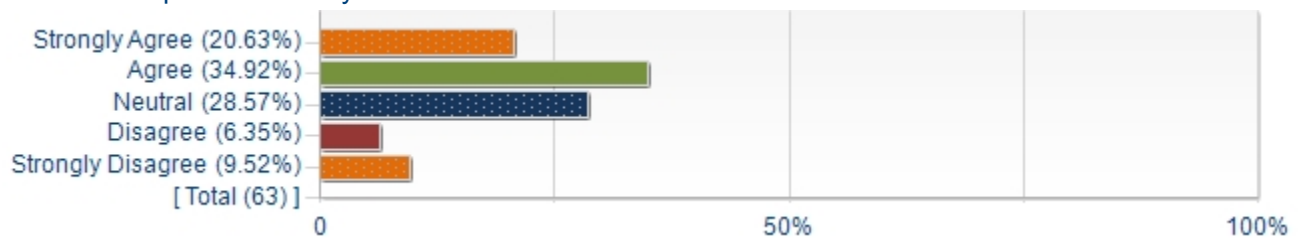
(iii) Teacher Rating Frequency Analysis

1. The teacher has enhanced my thinking ability.



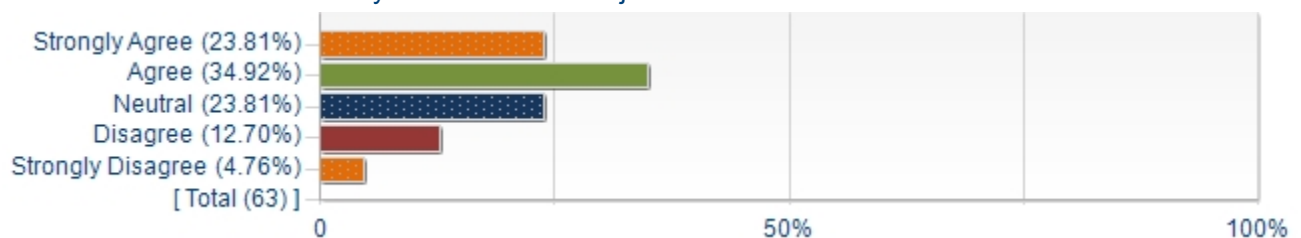
Statistics	Value
Response Count	63
Mean	3.59
80th Percentile	4.00
Standard Deviation	1.06
Positive Feedback	60.32%

2. The teacher provided timely and useful feedback.



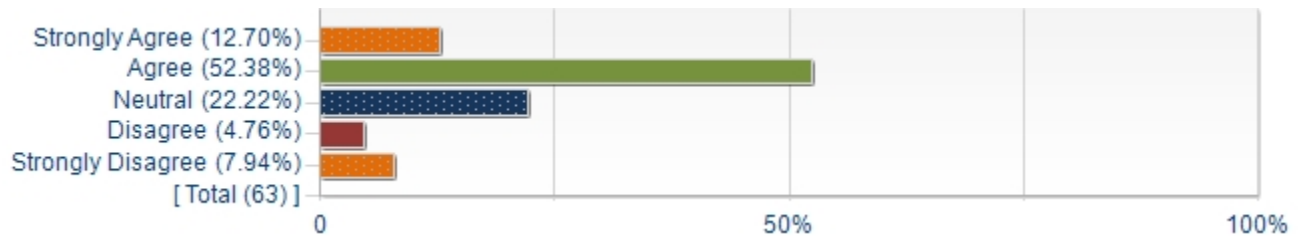
Statistics	Value
Response Count	63
Mean	3.51
80th Percentile	4.60
Standard Deviation	1.18
Positive Feedback	55.56%

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



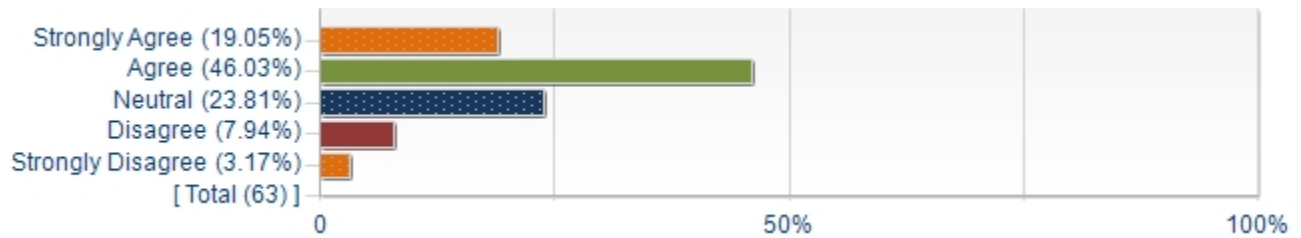
Statistics	Value
Response Count	63
Mean	3.60
80th Percentile	5.00
Standard Deviation	1.13
Positive Feedback	58.73%

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



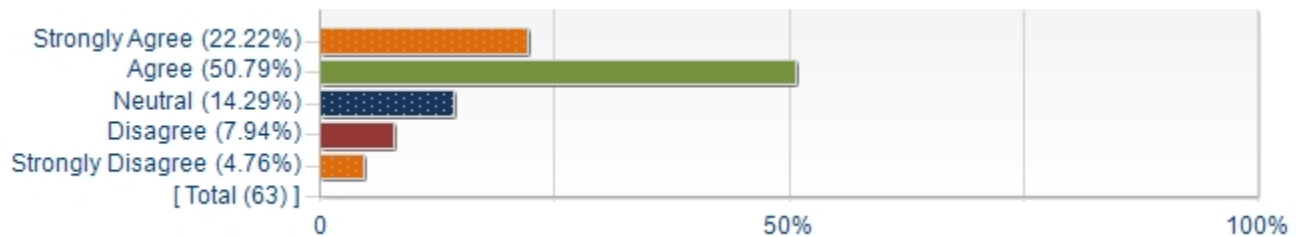
Statistics	Value
Response Count	63
Mean	3.57
80th Percentile	4.00
Standard Deviation	1.04
Positive Feedback	65.08%

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



Statistics	Value
Response Count	63
Mean	3.70
80th Percentile	4.00
Standard Deviation	0.98
Positive Feedback	65.08%

The teacher cares about student development and learning.



Statistics	Value
Response Count	63
Mean	3.78
80th Percentile	5.00
Standard Deviation	1.04
Positive Feedback	73.02%

(iv) Teacher Rating Scores vs. Gender

Question	M	F	Overall
The teacher has enhanced my thinking ability.	3.48	4.00	3.59
The teacher provided timely and useful feedback.	3.46	3.69	3.51
The teacher has increased my interest in the subject.	3.52	3.92	3.60

D. STRENGTHS

What are Kan Min-Yen's strengths?

Comment
Covers many topics
NA
Speaks clearly and engaging during lecture
Able to tune the lectures according to content difficulty.
Attempts to engage students
Able to engage the class effectively
.....
–
Very fluent in putting his ideas across
clear in explaining theories. but not the math
Friendly and approachable professor. Understands the troubles of students well.
I like how he is able to explain tough mathematical concepts without much trouble, it gives the illusion that the maths is simple, when it is actually not.
Also I like his attitude to our midterms and assignments, which is "anything goes, so long as it aids your learning and you don't cheat". Not many profs are that open minded.
approachability, clarity in expression
Interesting presentation style.
Elevated the difficulty expectation of a level 3000 module
Nil
Expressibility
The emphasis and teaching on Math is very pleasant.
Implementing Kaggle was cool and revamping the module was great
Prof Kan is very approachable and friendly. He pointed us to good online resources.
–
Wide coverage of materials
Good structured flow of lecture contents
I got no negative & positive attitudes towards his teaching style
He likes panda

E. AREAS FOR IMPROVEMENT

What improvements would you suggest to Kan Min-Yen?

Comment
Cover the topics with more examples so that we can understand it better
NA
Recommend uploading the lecture slides/tutorials earlier
Give more examples in the slides.
more details in notes
The lectures need to be more detailed, less rushed.
Nil
the way you explain mathematical proofs are really hard to understand.
the notations of the proofs are also not clearly defined and you usually just read off the slides for mathematical proofs which does not help at all.
for example, you did not properly explain lagrange multiplier and it was not part of the module requirement to know what it is. so it might help if you explain what is the mathematics trying to find. instead of reading line after line..
giving explanation on how to get from one line of the mathematical proof to another is more effective than reading the mathematical proofs to us.
although the module is undergoing construction, the amount of changes in the HW after it is released is really a bit too much. and the instructions were not clear enough.
Structure the course better in the future semesters. Feedback on graded assignments are very delayed
More guidance in the math of machine learning as not everyone has learnt it. Perhaps, an intro lecture to revise the basic math required would have been excellent.
Go through step-by-step examples of how certain algorithms are performed.
Prepare the module a little earlier
Im not very sure if our students are equipped with data science knowledge that is expected of the current iteration of Machine Learning, so maybe add more prereqs?
Upload notes for class earlier
More organised (it is plausible as first semester for teaching~)
Class activities are not helpful actually. I think the learning theory part should still go before the algorithms and there should be 1 or 2 case studies on using these theory and algorithms to solve the problems so that I can see them as relevant.
Include Bayesian models and more about Deep Learning
Prepare course materials more carefully.
Prof Kan could be more meticulous with the designing of Homeworks. There were multiple occasions where changes have been made to the Homeworks after releasing it to us.
–
Have a better way of giving assignments
To give a step by step explanation of the various topic instead of just giving us the formula and expecting us to know whats going on.
make better slides
Would be good if there is a quick recap of the statistical and mathematical concepts required in the module in the first lecture.
Would be good if tutorials and lecture notes are uploaded earlier, although I understand that the module is being restructured therefore the late uploads.
Would be good if assessment results and comments are given out earlier

Comment

use a stylus to write

please do not use touch screen to write

I think he should elaborate the abstract concepts more for students. Because ML is very hard & abstract. Most of knowledge we learnt from classes have tested & reviewed. I do believe that students have to study in higher degree like PhD, Master to properly understand ML & AI. One module cannot help. So I think ML should be the online course for students who are interested in instead of graded course.

Know the content better

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?