

University of Manchester
2021-22 Semester 2 Mathematics (UG & PG)

Course: I3133-MATH-10282-1211-2SE-026681: MATH10282 Introduction to Statistics 2021-22 2nd Semester
Instructor: Saralees Nadarajah *
Response Rate: 188/406 (46.31 %)

1 - Overall, I would rate this unit as being excellent.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	119	63.30%			4.53	4.38		
Mostly Agree	(4)	54	28.72%						
Neither Agree Nor Disagree	(3)	13	6.91%						
Mostly Disagree	(2)	0	0.00%						
Disagree	(1)	2	1.06%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
188/406 (46.31%)	4.53	0.72	5.00	1549			4.38	0.93	5.00

2 - The feedback that I received on my work was helpful.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	115	61.17%			4.46	4.34		
Mostly Agree	(4)	51	27.13%						
Neither Agree Nor Disagree	(3)	17	9.04%						
Mostly Disagree	(2)	3	1.60%						
Disagree	(1)	2	1.06%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
188/406 (46.31%)	4.46	0.81	5.00	1549			4.34	0.94	5.00

3 - This unit was well organised.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	144	76.60%			4.70	4.47		
Mostly Agree	(4)	36	19.15%						
Neither Agree Nor Disagree	(3)	5	2.66%						
Mostly Disagree	(2)	2	1.06%						
Disagree	(1)	1	0.53%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
188/406 (46.31%)	4.70	0.63	5.00	1549			4.47	0.88	5.00

4 - Prof. / Dr. Saralees Nadarajah's teaching was excellent. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	138	73.40%			4.66	4.47		
Mostly Agree	(4)	42	22.34%						
Neither Agree Nor Disagree	(3)	4	2.13%						
Mostly Disagree	(2)	3	1.60%						
Disagree	(1)	1	0.53%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
188/406 (46.31%)	4.66	0.65	5.00	1892			4.47	0.84	5.00

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5 - What aspect of Prof. / Dr. Saralees Nadarajah's approach to teaching best helped your learning? -

Response Rate	69/406 (17%)
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- Giving a lot of examples
- Teaching clearly and give me lots of examples
- He gives many examples, and emails us personal feedback after every quiz.
- Incredibly helpful attitude. Makes me feel encouraged.
- Everything. Overall the extreme organisation of this module was impressive and refreshing to see! It would be wonderful if all modules were developed with this much precision
- That he gives us many examples.
- Very hands-on. Always makes sure students know he is reachable and readily available to answer questions by providing extensive contact information. Not just willing to help but actively eager and it shows.
- His way of organising the course notes, several examples and excellent layout.
- The material he offered the speaking speed is appropriate in class the handwritten notes are tidy and beautiful
- There is a massive amount of resources on the course website, such as the preview material, material from previous years, exam papers, quiz problems and R coursework's from previous years. Well organised. Tutorials are great.
- His responsiveness and dedication to answering any questions
- The short preliminary videos he provided before week 1 that outlined repetitive ideas used in the course. Using the review sessions to go over a lot of examples, which progressively increased in difficulty. His friendly and polite attitude made him more approachable making it easier to communicate.
- Easy to understand layout
- he was engaged and helpful whenever it was needed and often checked in on my progress.
- Dr.Saralees can remind us everything about the course.
- He is always available to answer questions which is very helpful.
- The Online Course Materials and course support from professor.
- Saralees' teaching was excellent, he was very patient and very reliable when asking for help. He was extremely organised and went through examples thoroughly ensuring each student understands the content.
- The in-person labs working on exercises were really useful, especially the more basic exercises that helped build up my level of skill when it comes to using R. The lecture videos and solutions being on youtube is super helpful because I can speed it up as necessary (easier to do on youtube compared to blackboard). The solutions not just being written but also explained verbally in a video really helps my understanding. I am bad at understanding lecture notes the most and sometimes solutions if they are not verbally explained, so the videos make a significant impact on my learning.
- He is always available and approachable for help.
- Videos.
- I liked how he always kept in touch and offered to provide extra help whenever.
- The website he has created for the course with useful resources.
- The blackboard page was structured well, so easy to navigate the material to learn.
- Detailed explanations and thorough working.
- easy format and uses many examples to make topics more clear
- Very organized teaching style from the way it is presented, through to how the weeks are broken down and delivered they follow on from one another. Notes are very clear and easy to navigate.
- Those examples he does help me a lot to understand the new methods.
- The course was taught in an easy to understand and lucid manner.
- the organisation of the whole module was amazing
- He was very open about providing assistance if anyone had any difficulties.
- tutorial
- His website is really well organized
- Number of examples covered in each review session, and organisation of course materials
- He is excellent at explaining things, patient, supportive and always willing to give students his time to help us
- Varied examples explained concisely from multiple angles, easy access to extracurricular academic support.
- Prof. Saralees Nadarajah's handwriting in Blackboard's online learning resource is neat, which makes it easy to organize my notes. In addition, the professor speaks at a moderate speed and explains the steps clearly. In addition to understanding the steps to solve problems, this can also improve my listening skills.
- The way he lays out the course, with all the information, weekly videos/sheets, past exams etc. is very useful and easy to access. Also it is really appreciated that Saralees posts a weekly video where he goes through the solutions to the previous sheet, rather than just posting the solutions. All his lecture videos being on YouTube makes it easier to access, especially how I can view any week in advance.
- Really helps a lot after class
- Saralees has such an approachable manner to him and is always ready to help. This support induces a comfortable learning atmosphere and enables for a relatively stress-free working environment. Content is very well explained with a multitude of examples and advice.
- He goes through loads of examples. He is very clear on what is examinable and what formulas we have to remember. He is very thorough when going over new hard concepts and formulas.
- The videos uploaded onto the system were really helpful, and the weekly quizzes were good.
- Very helpful in classroom learning.
- He is very kind and helpful Nice teacher
- He always answers the questions patiently

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- He had really gave me lot of help when I joining the lab session.
- Dr Saralees has a lot of materials to reference. He put everything online so that I can learn it for many times without losing the content I must learn.
- Nice handwriting and good teaching method
- The course material is very helpful and clear. Professor Nadarajah is a very kind people and hard working. I can ask questions through email at anytime.
- None
- Saralees is extremely committed and always willing to provide us with help when needed. He frequently sends us emails reminding us of classes and deadlines for quizzes and when we email him with questions he responds incredibly quickly. His emails also clearly state that he is willing to give us help in any way we find helpful including email, telephone, skype or in person tutoring. He also gives lots of examples in videos and review sessions and completes worked examples in the tutorial sessions also.
- He always gives many examples on one lemma or one proportion, which help me a lot to study.
- Strong focus on examples and constant availability to offer help. I also like the weekly quizzes.
- Lot's of online resources given which is very helpful
- The simplicity
- He provided lots of examples and past papers to help understanding and revision.
- He provides complete set of material for student to study, revise and do exercise (recording, handwritten notes, answers to exercise sheet in form of video) Always send emails to give reminder, wishes, support He explained very well whenever I ask questions
- No comment
- videos
- How all the resources were easily accessible from the same place and the responses to any queries I had were very quick and helpful.
- His teaching is very clear and he is always very helpful.
- Always mentions where he gets stuff from, for instance any equation we are told whether that's from probability 1, from another part in the course or assumed known knowledge
- Very clear explanations.
- Lot of support and well organised resources
- His availability
- Eagerness to support any learning based issues to resolve confusion I had based around some aspects of the course
- He is very patient, and he always gives us useful example to help us understand knowledge
- Is really system, I feel like every general concept was really clearly.
- The information on the website was very well collected. By far the best way any information has been displayed in any of my courses.

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6 - What things do we do well that have helped you to feel part of a learning community? (this could be whilst studying this unit on campus or remotely)

Response Rate	37/406 (9.11%)
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- It's perfect for everything
- The environment of learning
- Tutorials
- Tutorials and workshops
- Possibility to contact him 24/7.
- There are some activities completed collectively or participated in by many people, which can let us learn more knowledge
- Tutorials and lab sessions are great.
- created easily accessible spaces to ask questions
- I enjoy working in the labs and sitting and chatting casually amongst my classmates as we do our lab work. Especially when I'm stuck, I can also ask them for help rather than having to call over Saralees too many times.
- coursework
- smaller lab sessions
- Tutorial.
- Tutorial groups help to meet and communicate with others on the course.
- n/a
- Tutorials.
- People are friendly enough in tutorials.
- The tutorials, which make me get chance to communicate with others.
- Communication with the professor was helpful, being able to ask questions or get help for a particular question
- Tutorials give much needed collaboration among students.
- Saralees' continued support through both online and face-to-face communication is a really strong feature that helps me feel part of a community.
- The computer sessions and tutorials
- the lab workshops were good as you were able to get help from peers and staff
- we can always communicate with teachers.
- complete material
- Teacher has a lot of material so that I can arrange my study time
- Professor is always there to answer the question and keep remind us to do the homework.
- None
- PASS session is really helpful.
- Not sure.
- The tutorials are helpful
- more guidance on what the coursework actually is
- Tutorials help encourage discussion.
- Emails sent every week (Give reminder, quiz feedback, offer helps in study etc) Interaction between lecturer and student during class
- The tutorial sessions
- I enjoyed the quiz aspect as I would normally discuss ideas on how to approach with a group and we would all do answers separately and then compare where we went right/wrong, also the R lessons I would always do it in a group and discuss
- very good learning atmosphere
- Every tutorial we have chance to face to different classmates and tutors.

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7 - What could we do better to make you feel part of a learning community? (this could be whilst studying this unit on campus or remotely)

Response Rate 32/406 (7.88%)

- It's great for me
- That's good
- Have more discussion during tutorials
- Study groups that are daily
- It was excellent.
- Group cooperation
- Not Applicable.
- This is not restricted to just this module, however an area in the Alan Turing building where students from different math or related modules could interact and work on class work together. With teaching staff there to preside over or provide help. So a designated study area is what I'm trying to get at for the students of the course. At particular times of the week. Being able to go there and receive help from peers or staff.
- create more situations in tutorials for people to work together
- I would like the tutorials to have more group work. So in a tutorial class, split everyone into groups (I'd recommend the tutor assigns the groups) and then have each group working on a set of problems. One of the best way to go about this is giving the students time to do maybe 1-3 questions depending on their length and once they have answered in their groups, we come back together as a class and the tutor goes through the question with everyone. Then we move onto the next set of questions and repeat this process till the lesson time runs out because we know there's no way we can finish all the questions in one tutorial!
- submit the homework
- more group activities / projects.
- Small study group.
- Organised optional maths group study time.
- n/a
- There's not much reason to, there is no group project. It is nice to be able to communicate with the other students but the notes mostly handle the information anyway
- Potentially organise group projects, or have tutorials be more enchanting among students
- Group work
- There should be more class discussions.
- Try to keep the videos short before class
- If just listening to the teacher is a little boring, I would like to join in some discussion sessions, not only with the teacher, but also with my classmates.
- We can use pizza in this course so that we can discuss some problem.
- None
- No idea
- More smaller group sessions, with the same group.
- Online forum on piazza like other subjects would be helpful
- More interactive activities in lectures eg kahoot
- NA
- Possibly make the R coursework a group work project however I don't feel this is necessary
- organize more activities
- We could make more talking stuff between students, that we could have more chance to change our idea.
- Make the lectures in person

8 - The online learning resources provided in Blackboard supported my learning.

Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Agree	(5)	132	70.21%		4.57	4.52	
Mostly Agree	(4)	42	22.34%				
Neither Agree Nor Disagree	(3)	7	3.72%				
Mostly Disagree	(2)	3	1.60%				
Disagree	(1)	4	2.13%				
				0 25 50 100	Question	School BM Data	
Response Rate	Mean	STD	Median	School BM Data	Mean	STD	Median
188/406 (46.31%)	4.57	0.82	5.00	1549	4.52	0.83	5.00

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9 - What did you find most useful and how can we improve?

Response Rate	49/406 (12.07%)
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- The completed notes
- Give me lots of examples
- Everything is already in 1 website which is very convenient.
- Everything from the videos, to quizzes to examples were perfectly helpful throughout the entirety of the course as well as Prof. Saralees himself who was more than supportive and present throughout the duration of the course to help with absolutely anything related.
- The examples in the videos.
- Materials provided by teachers and videos of their explanations. Very good and clear
- Communication is great - we are kept up to date regularly (although I would suggest not to email us twice by sending the email to our personal email as well - just stick to emailing our University Email). It has been great to get to know Saralees, and he is very supportive.
- The videos were very very informative, and having the handwritten notes to go back to for reminders on certain things are useful.
- Everything was organised
- Organisation of the content was very useful. To improve, I would suggest a better microphone for when recording videos, and a higher quality projector.
- Videos
- the videos are extremely useful in learning and revising however some have very poor sound quality and are hard to follow. furthermore they can be very full of proofs and I feel like more examples would be useful.
- saralees' website is helpful
- The resources are easily accessible and there are a lot of resources to aid us in revision
- The past exams (for R course work, weekly test etc.) are really helpful. Without them, I would struggle a lot. Being able to view the weekly test question without being put under time pressure allows me to figure out the answer correctly without rushing or panicking. Sometimes if I make a mistake, it takes me a while to correct it, but I use this as a way to prepare myself for the actual exam.
- make homework worse more scores in the final
- The recorded videos by the professor
- Videos.
- The online layout was a bit confusing but still good
- Feedback on work is very useful. Can be improved by providing more practice question type resources.
- The videos were useful.
- maybe shortcuts to get to each weeks content other than that it is formatted really well
- The reason it is well delivered is that it's not on blackboard, which is a terrible platform overall. Make blackboard less slow and more reliable and get rid of the 2-factor authentication. (You will inevitably keep the two-factor verification) but at least let it remember devices such as my laptop. I want to avoid looking at my phone and having to do a push notification every time does not help.
- It's perfect enough.
- Glorified online course so might as well have just joined an online uni
- On demand quizzes made practice of topics easy and accessible.
- Maybe add an additional quiz to the coursework so the end of semester exam isn't worth as much percentage for the module.
- The organisation of the resources and their availability through YouTube especially. The notes also have several examples of previous years' work and solutions.
- I found Saralees' website the most used resource as it has everything we need to know for the course.
- The course page was well laid out and easy to navigate, the only issues were that: I couldn't tell the difference between a video that had been uploaded and those that hadn't, and it was an extra step to access the system from blackboard, instead of it being integrated into blackboard. but these are not that big of an issue anyway.
- Could improve by making the audio quality better on the videos as the background noise can be a little off-putting.
- Pre-class videos should be shortened.
- complete material Open more discussion groups
- Everything is perfect.
- The hand written notes are most useful. Also the video upload can help me better understand the course. The text book is required
- It's wonderful.
- We have previous exams and solutions and previous courseworks and solutions all provided on blackboard. I think I would benefit from a document with typed notes for the whole module provided on blackboard.
- No idea
- I found the pdf handwritten notes most useful, but some typed notes to accompany them would be nice.
- Recordings of each tutorial session, and the videos explaining the tutorial sheet questions were helpful
- The videos
- I found the lecture notes most useful
- Complete set of learning resources in one website Nothing to improve really but if possible, can improve the look of website (no need to scroll too much)
- No comment
- Have typed or powerpoint notes in the video instead of handwritten ones so it is more easy to take notes/save powerpoint slides.
- I found the worksheets to be very helpful and that lots of previous years examples were given (exams/coursework etc)

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- Most useful was that it actually felt like a 10 credit module unlike the rest which have as much work as the 20 credit modules if not more (last semester), I cannot think of an improvement that would affect this module as the only thing I struggle with is the knowledge from probability 1 as that was taught appallingly
- The teacher is very patient, and please be able to solve my doubts
- I find the distribution improve my thinking well.

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10 - What additional support and resources would you find most helpful?

Response Rate	29/406 (7.14%)
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- It's great for everything
- Everything is good
- -
- Cannot think of anything more. Everything was well in order.
- I think everything was good.
- Materials provided by teachers and videos of their explanations
- The course heavily relies on Probability 1. It is not always clear the method within the examples (or why you have done a certain step within the method), perhaps explaining these will allow us to understand this a bit better within the preview material.
- teacher is always there when I need help and he replies my emails super fast too
- More examples/worked through examples
- There could be some help for the weekly quizzes as sometimes the last years examples didn't answer some of my questions or that they were in a different format.
- It would be helpful if intro to stats used piazza as a discussion board for this course. That way when students ask questions and either Saralees, a tutor or another student answers, others are also able to read the conversation which may be beneficial to them too.
- online study
- Videos.
- Example questions.
- couldn't think of anything
- YouTube channel
- I believe there is already an excellent level of support and resources available.
- Going over exam papers but this may happen in the final week I'm not sure we haven't reached it yet.
- Additional books may be provided
- The paper materials in the computer class are particularly detailed
- Professor is always there to answer the question which I think is really helpful. Because the shorter time lag, the better understanding of the problem.
- None
- NO idea
- I think more worksheets would be useful.
- Email support Materials in website (super helpful)
- No comment
- NA
- The videos that go through the answers to the sheets step by step and all of the sheets for the R coursework are very helpful. Also the fact that previous years answers are included is very helpful to see the approach needed
- The video in youtube channel could be improved better, like the content we currently mentioning always be the lower screen part, it always be hidid by subtitle. So i wish we could move the content to the middle of the screen.