2024-25 Winter Term 1 UBC-V Individual Instructor Report for CIVL_V 562-101 - Environmental Data Collection and Analysis (Timothy Rodgers)

Project Title: **2024-25 Winter Term 1 UBC-V Instructor SEI Surveys**

Course Audience: **10**
Responses Received: **9**
Response Ratio: **90%**

Report Comments

Recommended Minimum Response Rates

Class Size	Recommended Minimum Response Rates based on 80% confidence & ± 10% margin
< 10	75%
11 - 19	65%
20 - 34	55%
35 - 49	40%
50 - 74	35%
75 - 99	25%
100 - 149	20%
150 - 299	15%
300 - 499	10%
> 500	5%

Legend

N: Invited
n: Responded

Frequency Distribution
SD: Strongly Disagree

UBC Student Experience of Instruction

D: Disagree
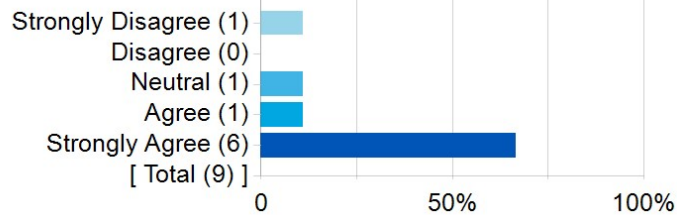N: Neutral
A: Agree
SA: Strongly Agree

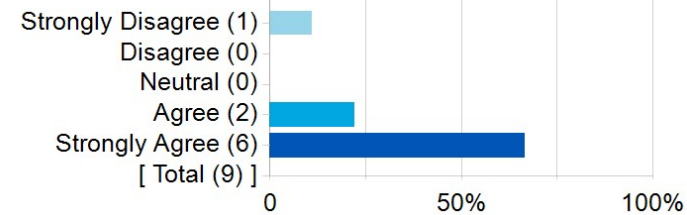Creation Date: **Wednesday, January 15, 2025**

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University Module Questions
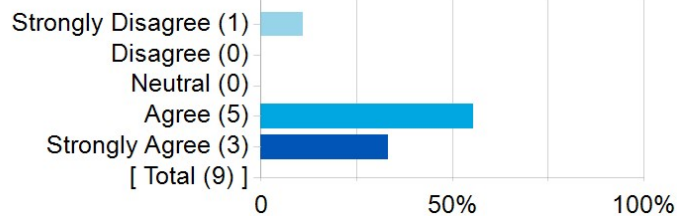
University Module Questions

1. Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.
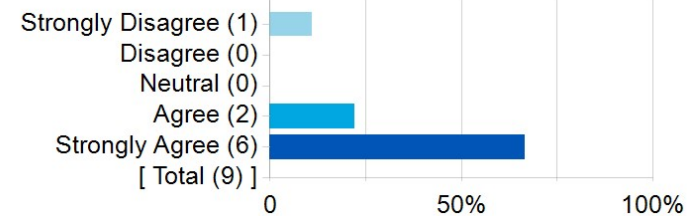
Strongly Disagree (1)
Disagree (0)
Neutral (1)
Agree (1)
Strongly Agree (6)
[Total (9)]

0   50%   100%

2. The instructor conducted this course in such a way that I was motivated to learn.

Strongly Disagree (1)
Disagree (0)
Neutral (0)
Agree (2)
Strongly Agree (6)
[Total (9)]

0   50%   100%

3. The instructor presented the course material in a way that I could understand.

Strongly Disagree (1)
Disagree (0)
Neutral (0)
Agree (5)
Strongly Agree (3)
[Total (9)]

0   50%   100%

4. Considering the type of class (e.g., large lecture, seminar, studio), the instructor provided useful feedback that helped me understand how my learning progressed during this course.

Strongly Disagree (1)
Disagree (0)
Neutral (0)
Agree (2)
Strongly Agree (6)
[Total (9)]

0   50%   100%

5. The instructor showed genuine interest in supporting my learning throughout this course.

Strongly Disagree (1)
Disagree (0)
Neutral (0)
Agree (1)
Strongly Agree (7)
[Total (9)]

0   50%   100%

6. Overall, I learned a great deal from this instructor.

Strongly Disagree (1)
Disagree (0)
Neutral (0)
Agree (2)
Strongly Agree (6)
[Total (9)]

0   50%   100%

University Module Questions

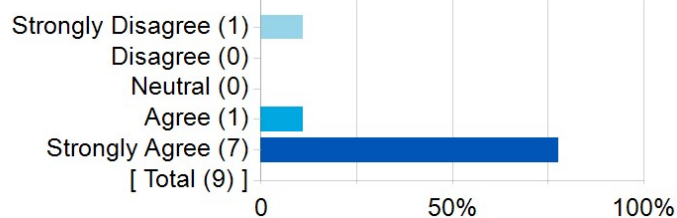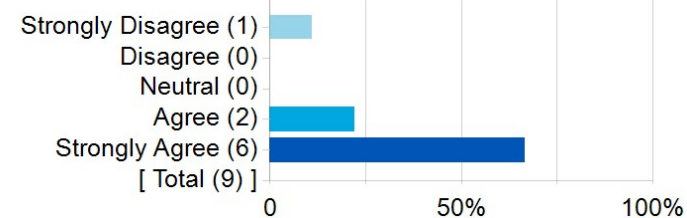| Question	IM	PF	DI
Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.	4.8	78%	0.6
The instructor conducted this course in such a way that I was motivated to learn.	4.8	89%	0.5
The instructor presented the course material in a way that I could understand.	4.2	89%	0.5
Considering the type of class (e.g., large lecture, seminar, studio), the instructor provided useful feedback that helped me understand how my learning progressed during this course.	4.8	89%	0.5
The instructor showed genuine interest in supporting my learning throughout this course.	4.9	89%	0.5
Overall, I learned a great deal from this instructor.	4.8	89%	0.5

Faculty Questions

Course Questions

Question	N	n	SD	D	N	A	SA	IM	DI
The assigned workload for the course was heavy.	10	9	1	1	6	0	1	2.9	0.5
The course material is rather advanced.	10	9	0	0	2	4	3	4.1	0.4
The material is relevant to my professional needs.	10	9	0	0	0	2	7	4.9	0.2
The course material is interesting.	10	9	0	0	0	4	5	4.6	0.2

Question	%Favourable
The assigned workload for the course was heavy.	11%
The course material is rather advanced.	78%
The material is relevant to my professional needs.	100%
The course material is interesting.	100%

Open ended feedback

Please comment on what your instructor did well to support your learning.

Comments
1. Clear communication. 2. Detailed Feedback and Assessment. 3. Creates a supportive learning environment.
Tim was especially helpful in providing dedicated time for us to learn and apply the concepts through engaging hands–on activities. This approach allowed me to better understand the material and reinforced the lessons. His clear explanations and willingness to answer questions made a significant difference in my learning experience. I also felt comfortable asking any questions without hesitation, as Tim always created an open and supportive environment. The flexibility of conducting the course online was incredibly beneficial, allowing me to learn at my own pace while having access to all the necessary resources. Additionally, I didn't feel pressured by assignment deadlines, as Tim always offered the flexibility to manage my learning effectively. The concepts Tim taught us in class will be much easier to apply, thanks to his effective teaching methods. Tim also incorporated real–world examples that made the material more relatable and easier to understand. His feedback on assignments was always positive and constructive, providing helpful guidance to improve my work. Overall, his approach to creating a supportive and flexible learning environment greatly enhanced my ability to grasp the course material and stay engaged throughout the course.
Tim strongly moved us to use Python and instructed us on how to do so. I believe this is great to our learning process, as learning computational tools are essential in data processing, especially in research; Practical exemples brought to class to apply the concepts that were discussed; Always readily available to answer questions; Excellent at quickly grading assignments and always with feedback that helps the student understand what was done wrong; Flexibility with deadlines and student's needs is always appreciated.
Instructor took time outside of instruction to look up topics related to the course, which helped make the topics relevant. Teaching at times was complex and examples brought up were thoughtful when discussing the topics. Instructor showed the ability to both present knowledge in statistical analysis for specific audiences while being able to adjust coursework in order to get a better educational experience for individuals.
First of all, I find the teacher to be very approachable and flexible. For example, if you're not feeling well, the teacher is very considerate and will grant you leave. Moreover, if there are things you don't understand, you can ask the teacher at any time, and they will explain everything in detail. If there are issues with your assignments, the teacher will also provide you with detailed advice. Overall, I feel that interacting with the teacher is very comfortable and relaxed.
Dr. Tim gave very engaging lectures that made potentially dull material into lively, discussion–based sessions. I thoroughly enjoyed every class. He demonstrated genuine care for teaching coming up with innovative ways to make us engaged and help us understand complex processes. Dr. Tim always gave insightful feedback and was readily available for consultation. He was also highly accommodating of individual circumstances. Overall, an excellent teacher who truly values both the material and his students.
Tim was enthusiastic to help us in any way he can. He was knowledgeable in the topics and was eager to teach.

Do you have any suggestions for what the instructor could have done differently to further support your learning?

Comments
None
Tim did an excellent job in supporting my learning, and I honestly don't feel there is anything I would change. His approach to teaching, the resources provided, and the flexibility offered were all extremely beneficial. I felt well–supported throughout the course.
Perhaps more suggestions of extra material on the course's contents; I felt like I could just barely follow the speed at which the course was taught. Perhaps going a bit slower and explaining a little bit more the core concepts would be a good idea; In some assignments, I felt like the due date was sometimes too close to the lecture in which the assignment's topic was presented. I think at least a week from the day of the lecture is a good approach (again, the deadlines were flexible and I probably could have discussed this throughout the course, but I think it is something nice to account for when planing the term's calendar).
Although Instructor had many great examples and teaching activities to boost learning, the instructor spoke very quickly for some students, and some students brought up of this speed; even still, the instructor did not speak slow enough for some students. This may have been due to the amount of material needing to be covered, and/or partially due to some students not having native fluency in English. Whichever the case, I would still suggest optimizing the material to reduce the amount of time needing to lecture, if possible.
It would be even better if the teacher could speak a bit more slowly, but everything else is great.
No I really enjoyed the material. Only thing is having skeletal notes before lecture would be nice . Being someone with who often stresses about catching everything in lecture, having skeletal notes is a great way to alleviate that just a bit.
Time the lectures better. Sometimes topics are brushed over too quickly despite having abundant amount of time.

Please identify what you consider to be the strengths of this course.

Comments
Comprehensive Curriculum: The course covers all the necessary topics and skills that are relevant to the subject area, ensuring that students receive a well–rounded education. Clear Learning Objectives: The course communicates clearly defined learning objectives to the students, enabling them to understand their expectations and what they will learn by the end of the course. Expert Instruction: The instructor has a deep understanding of the subject matter and is able to convey complex concepts in an accessible manner.
The strengths of this course include the effective mixture of lectures and hands–on activities, which allowed me to learn both theoretically and practically. Peer reviews and in–class discussions provided valuable opportunities for collaboration and deeper understanding of the material. Additionally, Tim created an open and supportive environment where I felt comfortable asking questions and engaging with the content. The positive and constructive feedback on assignments was especially helpful in guiding my progress and improving my work.
Fundamental to learn core statistical concepts that apply largely in research; Good introduction to computational tools such as python to help with data analysis Readily applicable knowledge and generally good assignments to practice the topics;
I think this course helps us gain a deeper understanding of some basic concepts we learned in university. Whether it's working with data, samples, or charts, I find it very beneficial and practical. It's quite useful in real–life applications.
Engaging lecture format. Good notes and opportunities for feedback.
The concepts and materials were interesting.

Please provide suggestions on how this course might be improved.

Comments
None
I honestly don't have any suggestions for improvement. The course was well–structured, engaging, and provided the perfect balance of lectures, activities, and discussions. I felt encouraged and motivated throughout, and the feedback I received was always helpful and insightful. Overall, it was a great learning experience.
My only suggestion would be to explain a little bit more the core concepts during class. I like the way it was structured with hands–on activities, but I believe the time needs to be slightly better distributed
Highly recommended this instructor!
I think this course helps us gain a deeper understanding of some basic concepts we learned in university. Whether it's working with data, samples, or charts, I find it very beneficial and practical. It's quite useful in real–life applications.
I really enjoyed this course. The only suggestion is for python based lectures to maybe have slides with the solution as well so in case someone is coding a bit slower they can view what the result should be like. I know it's posted after class but just immediately seeing the results is nice too.
More demonstrations.

Comment on what the instructor has done especially well in teaching the course and what they might do to improve it.

Comments
Technology Integration: If not already in place, the instructor could explore more ways to integrate technology into the course to facilitate learning and engagement, such as online forums, interactive quizzes, or multimedia resources.
Tim excelled in creating a well–rounded and engaging learning experience. The blend of lectures, hands–on activities, and in–class discussions kept the material both interesting and practical. His ability to break down complex concepts made the content more accessible, and I found that the activities and examples he incorporated greatly enhanced my understanding. The open, supportive environment he fostered encouraged participation, and I never hesitated to ask questions. Tim's feedback on assignments was always insightful, constructive, and encouraging, helping me improve and refine my work. Overall, his teaching style made the course enjoyable, engaging, and effective.
Good aspects: Tim strongly motived us to use Python and instructed us on how to do so. I believe this is great to our learning process, as learning computational tools are essential in data processing, especially in research;   Practical exemples brought to class to apply the concepts that were discussed;   Always readily available to answer questions;   Excellent at quickly grading assignments and always with feedback that helps the student understand what was done wrong;   Flexibility with deadlines and student's needs is always appreciated.   Improvement points: Perhaps more suggestions of extra material on the course's contents;   I felt like I could just barely follow the speed at which the course was taught. Perhaps going a bit slower and explaining a little bit more the core concepts would be a good idea;   In some assignments, I felt like the due date was sometimes too close to the lecture in which the assignment's topic was presented. I think at least a week from the day of the lecture is a good approach (again, the deadlines were flexible and I probably could have discussed this throughout the course, but I think it is something nice to account for when planing the term's calendar).   Overall, Tim was an excellent instructor and I feel like I have learned a great deal from this course.
Teaching examples and supporting learning beyond the course was the best part of this experience with Dr. Tim Rodgers. I learned a great deal in parts of my learning that were furthered with the efforts of Dr. Rodgers, which I believe any student would be extremely satisfied with their experience in this course with Dr. Rodgers direction.
Everything is so good!
The class is very relaxed, and we can ask questions or interrupt at any time. There are also some interesting group discussions. I think the overall teaching style is quite innovative, relaxed, and free.
Very good at coming up with innovative ways to make lectures more enjoyable and understandable. All examples provided were meaningful and fun to understand. I don't have any negative comments!
Tim utilized activities to help us learn interactively.

Comment on the things you appreciated about the course and provide suggestions for improvement.

Comments
Things Appreciated About the Course: Clear Learning Objectives: I valued the course's clearly defined learning objectives, which made it easier for me to understand my expectations and what I could hope to accomplish by the end of the course. Expert Instruction: The instructor's depth of knowledge and ability to convey complex ideas were simply highly valuable. Their expertise made the course content more credible and engaging. Interactive Learning: The course included interactive elements such as discussions, group work, and hands–on activities that made learning more dynamic and enjoyable.
I really appreciated the overall structure of the course, which allowed for both individual learning and collaboration. The clarity and organization of the course materials made it easy to follow along, and Tim's ability to explain complex topics in a clear and accessible way was particularly valuable. The flexibility in how assignments were approached gave me the opportunity to manage my workload without feeling overwhelmed.
Positives: Fundamental to learn core statistical concepts that apply largely in research; Good introduction to computational tools such as python to help with data analysis Readily applicable knowledge and generally good assignments to practice the topics; Improvements: My only suggestion would be to explain a little bit more the core concepts during class. I like the way it was structured with hands–on activities, but I believe the time needs to be slightly better distributed
instructor very NICE !
The class is very relaxed, and we can ask questions or interrupt at any time. There are also some interesting group discussions. I think the overall teaching style is quite innovative, relaxed, and free.
The topics were interesting and taught in an interactive fashion. The pacing of the lectures need to be improved.

Explanatory Note

The reported metrics are as follows:

1. Percent Favourable Rating

This is the percentage of respondents who responded with a 4 or 5 (Agree or Strongly Agree) on a scale of 1 to 5.

2. Interpolated Median

The data collected for Student Experience of Instruction (SEI) are ordinal in nature, with a natural order (from 1 to 5). The usual measure of central tendency for ordinal data is the median (50% percentile). The Interpolated Median (IM) is an adjusted median that considers the number of responses less than the median, greater than the median and equal to the median. As such, IM reflects the distribution of students' responses.

Consider the following example:

Frequency Distribution

Response for University Module Item	Section 1	Section 2
5 = Strongly agree	5	5
4 = Agree	3	5
3 = Neither agree nor disagree	6	0
2 = Disagree	1	2
1 = Strongly disagree	0	1
Mean	3.8	3.8
Median	4.0	4.0
Interpolated Median	3.7	4.2
Percent favourable rating	53%	77%

3. Dispersion Index

The dispersion Index is a measure of variability suitable for ordinal data (Rampichini, Grilli & Petrucci 2004). This dispersion index has values between zero and 1. A zero dispersion index indicates that all students in the section gave the same rating. An index value of 1.0 is obtained when the class splits evenly between the two extreme values (Strongly Disagree & Strongly Agree), a very rare occurrence. In SEI data at UBC, the index rarely exceeds 0.85, and mostly for evaluations not meeting the recommended minimum response rate.