Rutgers University Student Instructional Rating

Spring 2020
Half of semester taught remotely due to Covid-19

Ezzat Ahmed, Ahmed Aziz - AA2085

Indus Infor Systems: Industrial Data Analytics - 14:540:485:01
Survey Form: *Standard SIRS

Enrollment: 18
Responses Received: 17

The Student Instructional Ratings Surveys should be considered within the context of the global health emergency of Spring 2020. The considerable changes in instructional and pedagogical formats necessitated by the COVID-19 pandemic imply that caution should be exercised when comparing these results to other instructors or terms. The course, level, and department means reflect the current circumstance and are still provided to allow a comparative measure within the conditions of the semester.

Rutgers University has decided that instructors have flexibility in choosing how or whether to include the Spring 2020 SIRS results in promotion and rehiring materials. Details may vary by campus, rank, or position; please confer with your department chair for more information.

University-wide Questions on Move to Remote Learning Due to Covid-19 Response

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
Despite the abrupt change to remote instruction due to the Covid-19 disruption, the instructor Ahmed Aziz Ezzat Ahmed offered an effective learning experience in this course.	0	0	0	4	13	17	**4.76**	4.76	4.62	4.45

Note: A low numerical rating for this question indicates the students do not perceive a negative impact on their learning.

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
The move to remote instruction, due to the Covid-19 response, **adversely** impacted my learning in this course.	2	4	4	3	4	17	**3.18**	3.18	3.04	3.19

University-wide Instructor Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
The instructor Ahmed Aziz Ezzat Ahmed was prepared for class and presented the material in an organized manner.	0	0	0	2	15	17	**4.88**	4.88	4.79	4.52
The instructor Ahmed Aziz Ezzat Ahmed responded effectively to student comments and questions.	0	0	0	3	14	17	**4.82**	4.82	4.65	4.53
The instructor Ahmed Aziz Ezzat Ahmed generated interest in the course material.	0	0	0	4	13	17	**4.76**	4.76	4.40	4.30
The instructor Ahmed Aziz Ezzat Ahmed had a positive attitude toward assisting all students in understanding course material.	0	0	0	2	15	17	**4.88**	4.88	4.79	4.62
The instructor Ahmed Aziz Ezzat Ahmed assigned grades fairly.	0	1	2	2	11	16	**4.44**	4.44	4.39	4.56
The instructional methods of Ahmed Aziz Ezzat Ahmed encouraged student learning.	0	0	1	2	14	17	**4.76**	4.76	4.44	4.39

Teaching Effectiveness

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the teaching effectiveness of the instructor Ahmed Aziz Ezzat Ahmed as:	0	0	0	4	13	17	**4.76**	4.76	4.54	4.44

University-wide Course Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
I learned a great deal in this course.	0	0	0	3	14	17	**4.82**	4.82	4.45	4.22
I had a strong prior interest in the subject matter and wanted to take this course.	0	0	1	8	8	17	**4.41**	4.41	4.12	3.35

Course Quality

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the overall quality of the course as:	0	0	0	4	13	17	**4.76**	4.76	4.50	4.30

What do you like best about this course?

These comments are intended for all instructors.

Comments
Learning the different techniques in Data Science, Machine learning etc. using R and learning about Database using MySql Workbench
His teaching using R code
The assignments relate to what we learn in class, so it really is a good way to test our knowledge. The project seems daunting but it actually is manageable, especially with how its broken down into the different assignments.
One of the few classes in ISE dept and Rutgers as a whole that teaches skills applicable to real life
Very useful information.
The case study examples that challenged us to think outside of the box.
I liked the focus on code over methods. I also liked the in–class challenges.
The professor was always responsive to students questions and needs, and was really good at explaining answers so that we were able to understand.
I liked how the professor worked through codes during class and assigned assignments not too far off from what was learned in class. It helped to reinforce learning effectively.
Professor Ezzat took an active approach to teaching students, with in–class activities and light homework assignments.
What I liked best in this course is how applicable everything I learned was. I see myself in the future using all the tools I learned in class. I used to hate coding but this class helped me expand my coding skills and I hate it a lot less now.
The professor is always more than willing to answer my questions, both in person and via email.

If you were teaching this course, what would you do differently?

These comments are intended for all instructors.

Comments
Provide more extra credit
I couldn't do like him. He is the best.
Nothing
Not much
more explanation of theories behind techniques use in the course. Also writing down some keep concepts on the board, because trying to write them down as the professor in speaking is difficult.
Nothing, this course was excellent.
Even though we haven't done them yet I'm not sure the presentations for the project are necessary and the attempt to teach "proper" pseudocode felt very unnecessary. I think that in a real–world application the goal should be to write something that non–programmers would understand if you want students to prove that they understand the code. If you're making us write the code anyway why also make us write "proper" psedocode.
Sometimes I retained more by not following along with the codes and just listening because I would miss certain steps if I encountered an error.
I would not do anything differently
I wouldn't have a HW assignment due 4 days before a project

In what ways, if any, has this course or the instructor Ahmed Aziz Ezzat Ahmed encouraged your intellectual growth and progress?

These comments are unique to the instructor Ahmed Aziz Ezzat Ahmed.

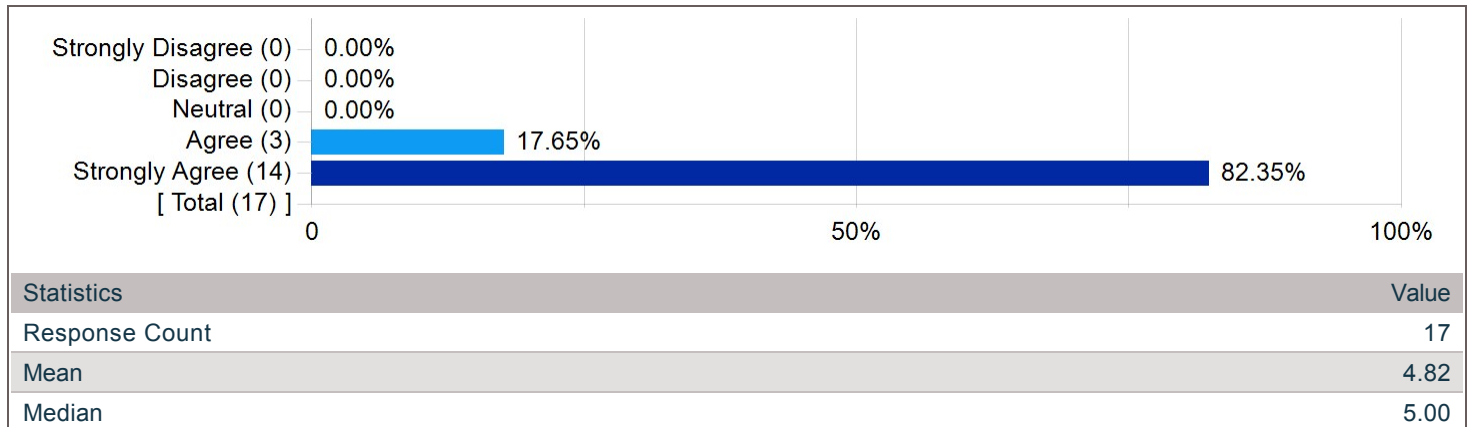| Comments |
| --- |
| In Data Science Foundations |
| He prepared all materials great! and also he answered all questions kindly and understandably. |
| Aziz really cares about having the students learn and its evident in the way he teaches and conducts the class. He makes it interactive, keeps the course content digestable, and makes effort to make himself available to the students. As a newer member in our department, I really appreciate the way he's approached teaching classes – it is nice to see professors care about students and their learnings! |
| Dr. Aziz often provided real world examples and emphasized industry applications |
| Sparked interest in pursuing a career related to data analytics |
| –went through multiple examples of real–world scenarios
–showed how data analytics can be applied to a variety of situations
–was always enthusiastic |
| I was taught to focus on understanding and answering the problem at hand because there may be different ways to solve something, rather than just following the lesson plan. |
| Professor Aziz greatly increased my interest in machine learning and data analytics. I am very pleased with this course and it is one of the only courses I took in my undergrad where I learned applicable stuff for my career. |
| Professor Ahmed Aziz Ezzat taught this course in an excellent way. He was able to show us how what we are learning in class is applied to real world scenarios. The professor assigned as case studies that helped us understand the concepts and excel in out side of a classroom scenarios. I learned a great deal in this course! |
| This course has pushed me to challenge myself intellectually to solve various problems using R |

Other comments or suggestions:
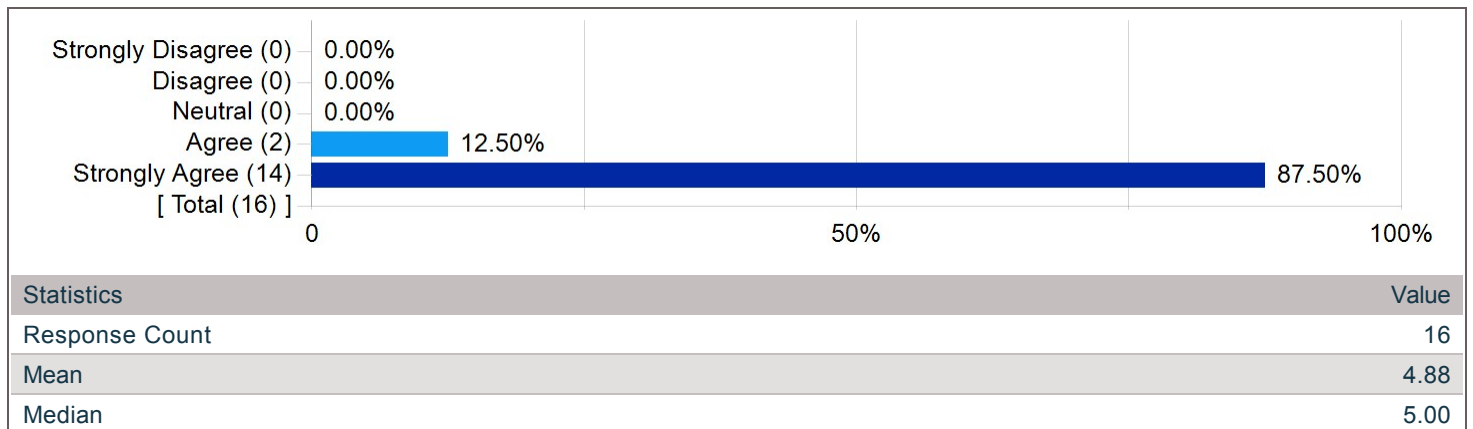
These comments are intended for all instructors.

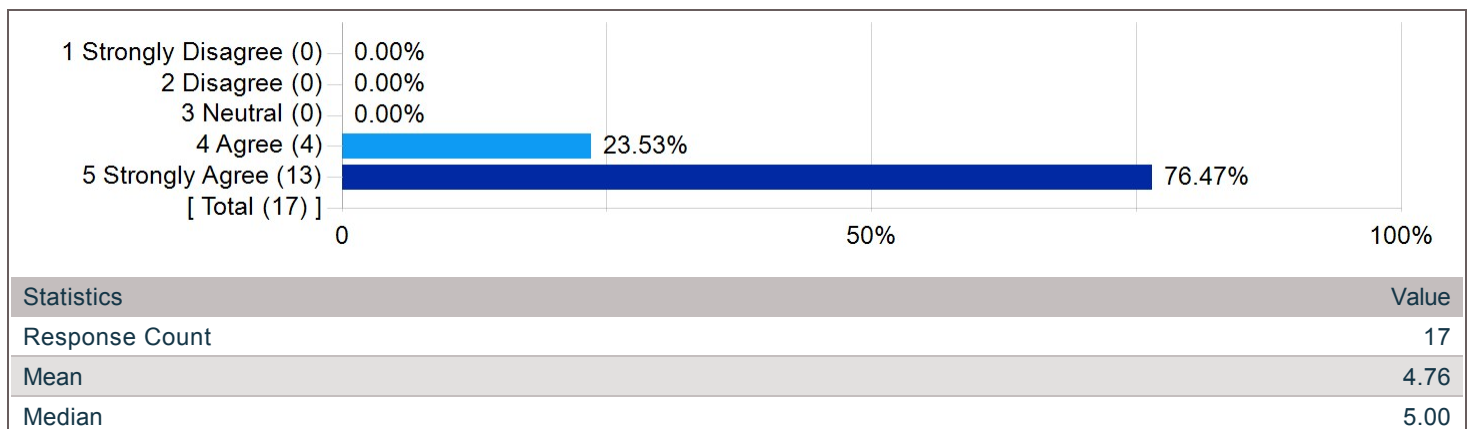| Comments |
| --- |
| Course was overall interesting |
| Awesome professor |
| This course is difficult to conduct in an online setting. Due to difficulty of trying to follow along in class, while also working in R on device such as laptop. Due to insufficient screen size. |
| Overall good course. I would try to give students more resources for learning more about code instead of just frantically googling for things. I think you should try to be a little more succinct and to really think about what you're trying to get students to show you when you write exam and homework questions. |
| COVID–19 interrupted the class assignments, but while we were still meeting in person, I liked doing the in–class group exercises. |
| Overall, one of my favorite classes at Rutgers. Thank you professor! |
| Great job, Professor Ezzat! |
| One of the best courses I have taken at Rutgers. |

Questions Chosen by Instructor

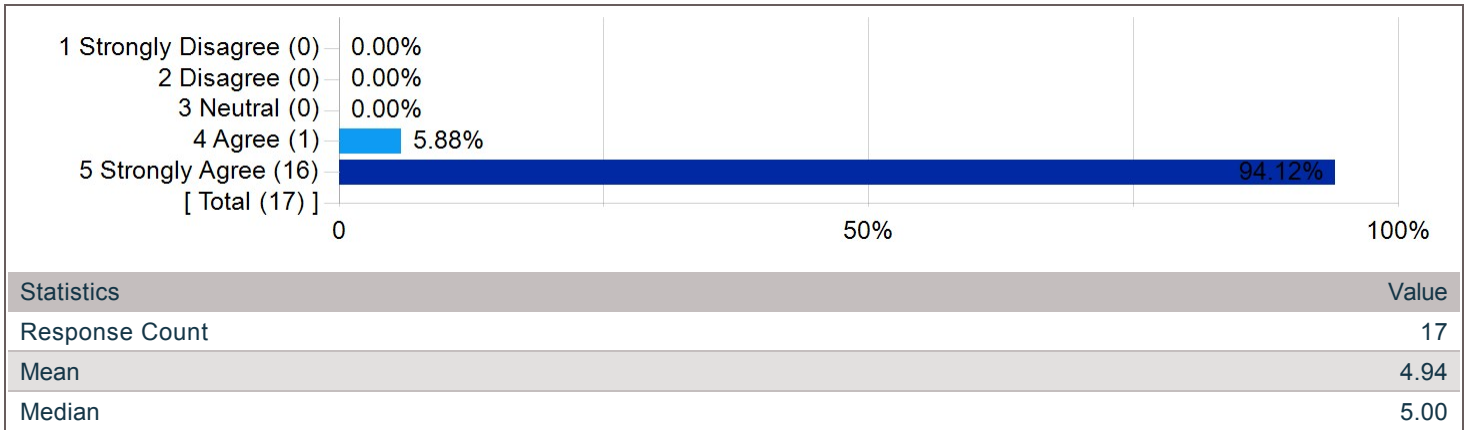### I would recommend this professor Ahmed Aziz Ezzat Ahmed

Strongly Disagree (0)	0.00%
Disagree (0)	0.00%
Neutral (0)	0.00%
Agree (3)	17.65%
Strongly Agree (14)	82.35%
[Total (17)]	

Statistics	Value
Response Count	17
Mean	4.82
Median	5.00

Assignments were relevant to what was presented

Strongly Disagree (0)	0.00%
Disagree (0)	0.00%
Neutral (0)	0.00%
Agree (2)	12.50%
Strongly Agree (14)	87.50%
[Total (16)]	

Statistics	Value
Response Count	16
Mean	4.88
Median	5.00

The instructor Ahmed Aziz Ezzat Ahmed gave constructive feedback

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (4)	23.53%
5 Strongly Agree (13)	76.47%
[Total (17)]	

Statistics	Value
Response Count	17
Mean	4.76
Median	5.00

The instructor Ahmed Aziz Ezzat Ahmed treated students with respect

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (1)	5.88%
5 Strongly Agree (16)	94.12%
[Total (17)]	

Statistics	Value
Response Count	17
Mean	4.94
Median	5.00

The instructor Ahmed Aziz Ezzat Ahmed was personally interested in student learning.

Strongly Disagree (0)	0.00%
Disagree (0)	0.00%
Neutral (1)	5.88%
Agree (2)	11.76%
Strongly Agree (14)	82.35%
[Total (17)]	

Statistics	Value
Response Count	17
Mean	4.76
Median	5.00
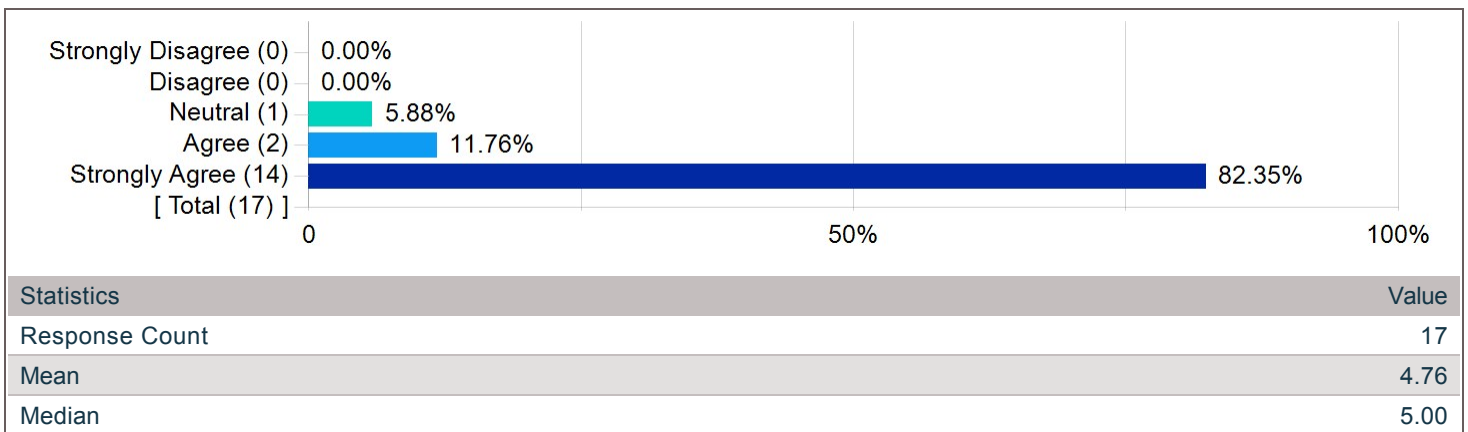
The instructor Ahmed Aziz Ezzat Ahmed used real world examples to explain course content.

Strongly Disagree (0)	0.00%
Disagree (0)	0.00%
Neutral (0)	0.00%
Agree (1)	5.88%
Strongly Agree (16)	94.12%
[Total (17)]	

Statistics	Value
Response Count	17
Mean	4.94
Median	5.00
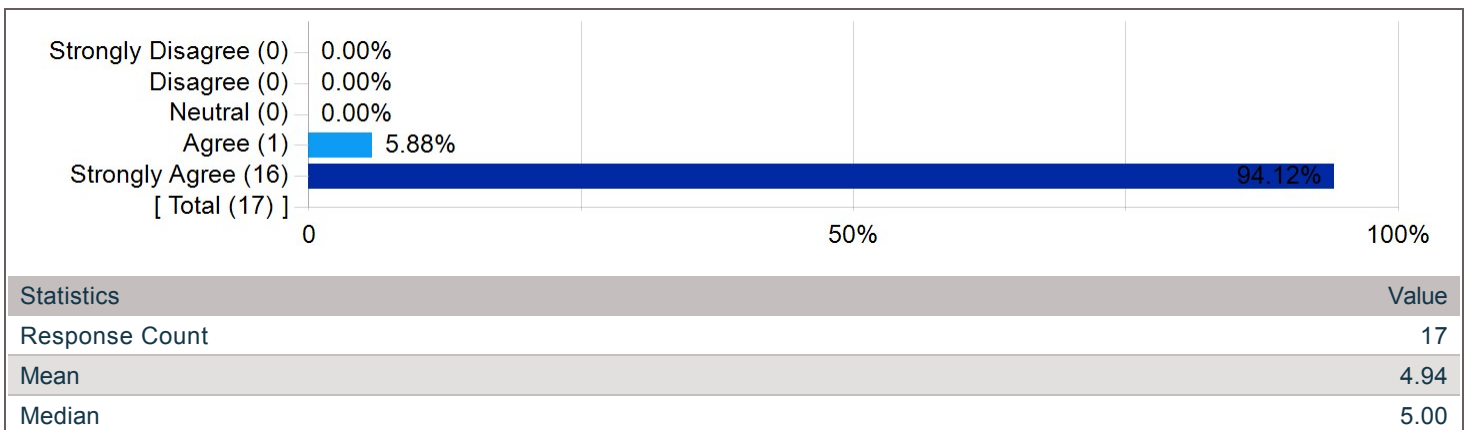
Questions Created by Instructor

Please provide your feedback about the course project

Comments
Interesting and educational for the real world and had useful applications in general
It was a very enriching experience
I really enjoyed the course project. It was a wonderful way to show how industrial analytics can be used in renewable energy.
I just really wish we were given more resources to try advanced concepts since that seemed to be the best answer to each problem and students with advanced knowledge had a vast advantage over those who didn't.
I think the project set at different due dates worked well to integrate a real life problem with the topics we were discussing in class.
The covid–19 pandemic made it a bit awkward to work on the project. I would suggest giving more time to complete each exercise, but that may not be necessary in an in–person setting.
The course project was a great way to fully understand the concepts and see how they are applied to real life problems. It is a good balance of challenging and insightful.
I learned a lot working with my team members, and while it was challenging to coordinate work remotely, I think we handled it effectively!