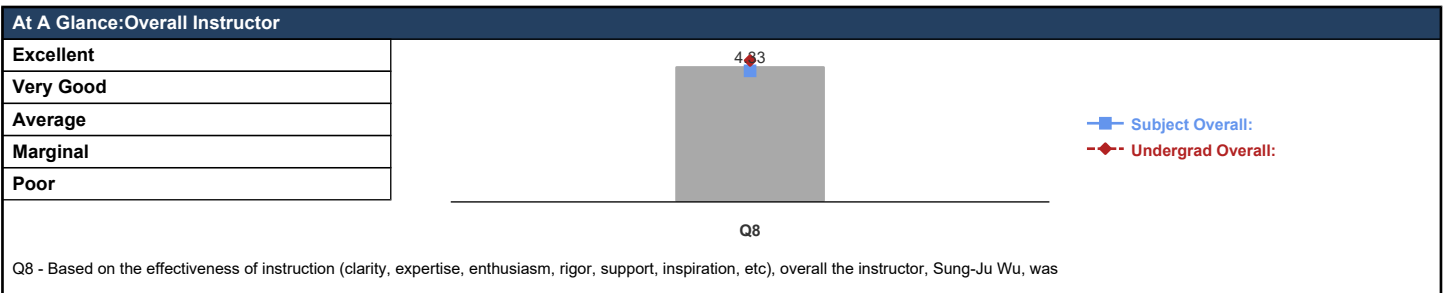# Duke University - Trinity and Pratt Undergraduate Programs
Undergraduate Course Evaluations - Summer I 2022

Course:	ECON-104D-01D: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-01D.
Instructor:	Sung-Ju Wu *
Response Rate:	3/12 (25.00 %)

At A Glance:Course Difficulty

Strongly agree
Agree
Neither agree nor disagree
Disagree
Strongly disagree

2.67

Subject Overall:
Undergrad Overall:

Q12

Q12 - The course was difficult.

At A Glance:Effort

10+
9
8
7
6
5
4
3
2
1

6.67

Subject Overall:
Undergrad Overall:

Q13

Q13 - How many hours in a typical week did you spend on this course (outside of class meetings)?

At A Glance:Overall course

Excellent
Very Good
Average
Marginal
Poor

Subject Overall:
Undergrad Overall:

Q7

Q7 - Considering all components of the course (lectures, discussions, sections/labs, assessments, projects, course environment, etc), overall the course was

At A Glance:Overall Instructor

Excellent
Very Good
Average
Marginal
Poor

4.33

Subject Overall:
Undergrad Overall:

Q8

Q8 - Based on the effectiveness of instruction (clarity, expertise, enthusiasm, rigor, support, inspiration, etc), overall the instructor, Sung-Ju Wu, was
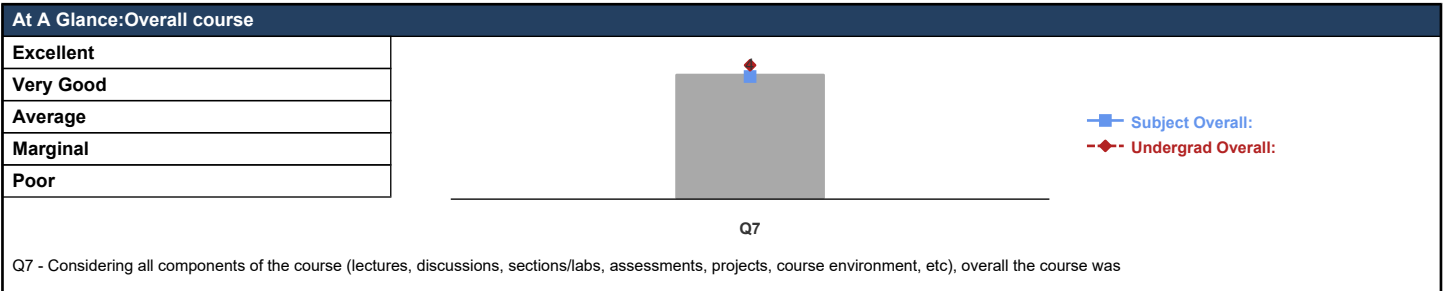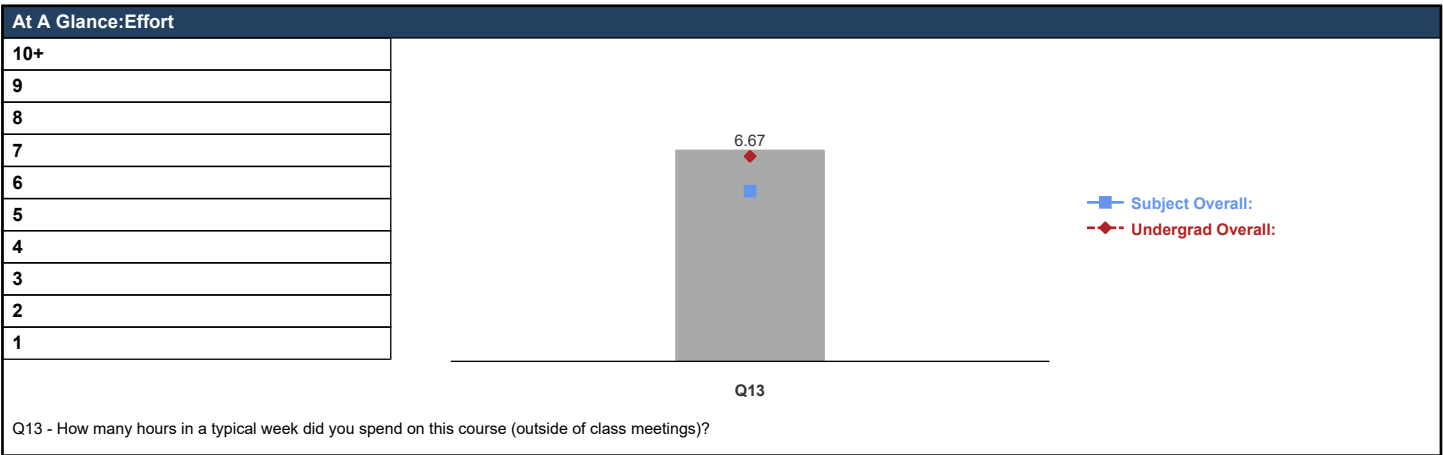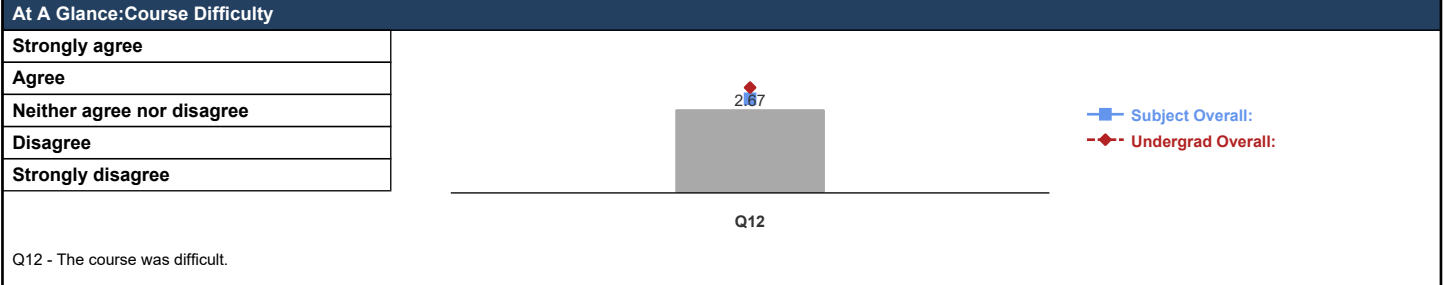
Duke University - Trinity and Pratt Undergraduate Programs
Undergraduate Course Evaluations - Summer I 2022

Course: ECON-104D-01D: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-01D.
Instructor: Sung-Ju Wu *
Response Rate: 3/12 (25.00 %)

1 - Your personal level of engagement with the course was:

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Very low	(1)	0	0.00%		
Low	(2)	0	0.00%		
Medium	(3)	1	33.33%		3.67 (Question)
High	(4)	2	66.67%		3.45 (Subject Overall)
Very high	(5)	0	0.00%		4.27 (Undergrad Overall)

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/12 (25.00%)	3.67	0.58	4.00	11	3.45	0.52	3.00	617	4.27	0.83	4.00

2 - What knowledge, methods, skills, insights, or ways of thinking did you develop in this course? Please describe three specific things you learned.

Response Rate	3/12 (25%)

• I learned about random variables and the different tools to give them meaning.

• I learned about analyzing sets of data and using information about various moments of my data I can begin to draw conclusions about the population at large. I learned about calculating conditional probabilities, and different types of common distributions. I learned about OLS regression models

• This course was very theoretically focused, and presented a mathematical introduction to elementary probability and statistics.

3 - Reflecting on the overall learning environment of this class, in what ways did the instructor(s) and the structure or components of the course facilitate your learning? Are there specific course components or methods of instruction you'd keep for future years?

Response Rate	3/12 (25%)

• The instructor did a great job teaching us the course. He presented topics during lectures and reviewed the previous day's material each day. I would recommend the review component because not many professors do that, and it personally helped me understand the topics better.

• The office hours that they had on Monday and Wednesday really helped me with the problem sets. The problem sets would release on Friday and I'd have all weekend to try my best on the problem set and articulate any questions I had for the first office hour on Monday. On Monday I'd be able to get my questions answered and continue working until I was confident in my answers. Also, the lead instructor Sung-Ju Wu changed his initial office hours from Thursday to Wednesday to better facilitate our learning since the problem sets released Fridays and were due before his original office hours on Thursday. His flexibility to accommodate our deadlines I think should be commended.

• I liked the problem sets.

4 - What might improve the course? Are there specific course components or methods of instruction you'd change for future years? Did anything in particular impede a positive learning environment?

Response Rate	3/12 (25%)

• I believe more practice questions during lecture would be more helpful because we could solidify concepts while solving problems.

• I was hoping to learn a bit more about econometrics, and the course was almost entirely probability and statistics. A little bit more application to economics would be a bit more interesting, but this is just my opinion. I'm sure Econ 204 will cover many of these applications.

• I am not sure that the theoretical focus and mathematical level of the course and the assigned text align with how the course is taught during a regular semester.

5 - The course was intellectually stimulating. It made me think in new ways, encouraged me to adopt different points of view, or challenged me to develop new skills.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	0	0.00%		
Disagree	(2)	0	0.00%		
Neither agree nor disagree	(3)	0	0.00%		4.33 (Question)
Agree	(4)	2	66.67%		4.09 (Subject Overall)
Strongly agree	(5)	1	33.33%		4.38 (Undergrad Overall)

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/12 (25.00%)	4.33	0.58	4.00	11	4.09	0.70	4.00	616	4.38	0.79	5.00

Course: ECON-104D-01D: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-01D.

Instructor: Sung-Ju Wu *

Response Rate: 3/12 (25.00 %)

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6 - What made this class stimulating or how could it be more intellectually stimulating if it wasn't?

Response Rate	3/12 (25%)

- I found the part about making sense of random variables very interesting, and how we can use tools to predict them.
- It of reshaped the way the way I thought about statistics and probability, by formalizing it using sets theory and random variables and calculus.
- I personally enjoyed the theoretical questions on problem sets.

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7 - Considering all components of the course (lectures, discussions, sections/labs, assessments, projects, course environment, etc), overall the course was

Response Option	Weight	Frequency	Percent
Poor	(1)	0	0.00%
Marginal	(2)	0	0.00%
Average	(3)	0	0.00%
Very Good	(4)	3	100.00%
Excellent	(5)	0	0.00%

Means: Question 4.00, Subject Overall: 3.91, Undergrad Overall: 4.27

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/12 (25.00%)	4.00	0.00	4.00	11	3.91	0.83	4.00	619	4.27	0.85	4.00

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8 - Based on the effectiveness of instruction (clarity, expertise, enthusiasm, rigor, support, inspiration, etc), overall the instructor, Sung-Ju Wu, was -

Response Option	Weight	Frequency	Percent
Poor	(1)	0	0.00%
Marginal	(2)	0	0.00%
Average	(3)	0	0.00%
Very Good	(4)	2	66.67%
Excellent	(5)	1	33.33%

Means: Question 4.33, Subject Overall: 4.18, Undergrad Overall: 4.51

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/12 (25.00%)	4.33	0.58	4.00	11	4.18	0.75	4.00	667	4.51	0.82	5.00

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9 - Based on the effectiveness of instruction (clarity, expertise, enthusiasm, rigor, support, inspiration, etc), overall the teaching assistant, , was

Response Option	Weight	Frequency	Percent
Poor	(1)	0	0.00%
Marginal	(2)	0	0.00%
Average	(3)	0	0.00%
Very good	(4)	0	0.00%
Excellent	(5)	0	0.00%
N/A	(0)	0	0.00%

Means: Question 0.00, Subject Overall: 0.00, Undergrad Overall: 4.75

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
0/12 (0.00%)	0.00	0.00	0.00	0	0.00	0.00	0.00	10	4.75	0.50	5.00

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10 - In what ways did the teaching assistant(s) facilitate your learning and what might have helped even more? Include any constructive comments you'd like to share with here.

Response Rate	0/12 (0%)

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11 - What would you like to say about this course to a student who is considering taking it in the future?

Response Rate	2/12 (16.67%)

- Be open to the ideas taught in the class, and try understanding the underlying concepts vs always memorizing formulas.
- Start the problem sets early, and utilize office hours whenever you run into points of confusion.

Duke University - Trinity and Pratt Undergraduate Programs
Undergraduate Course Evaluations - Summer I 2022

Course: ECON-104D-01D: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-01D.

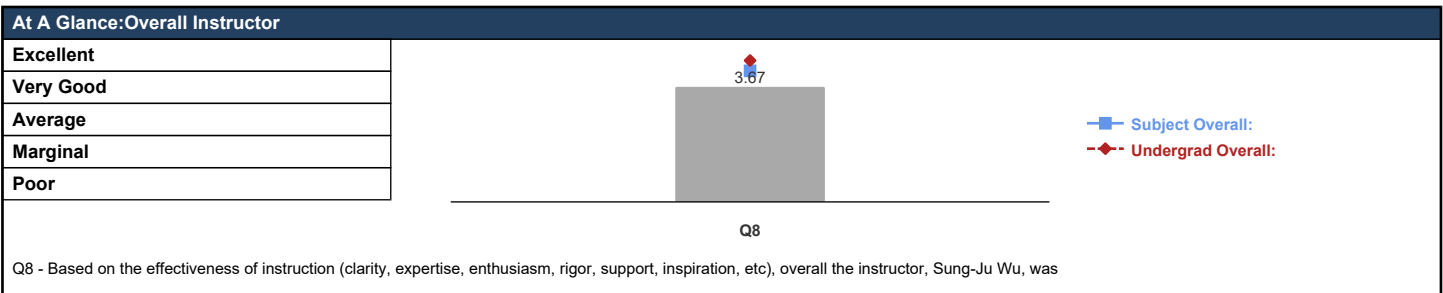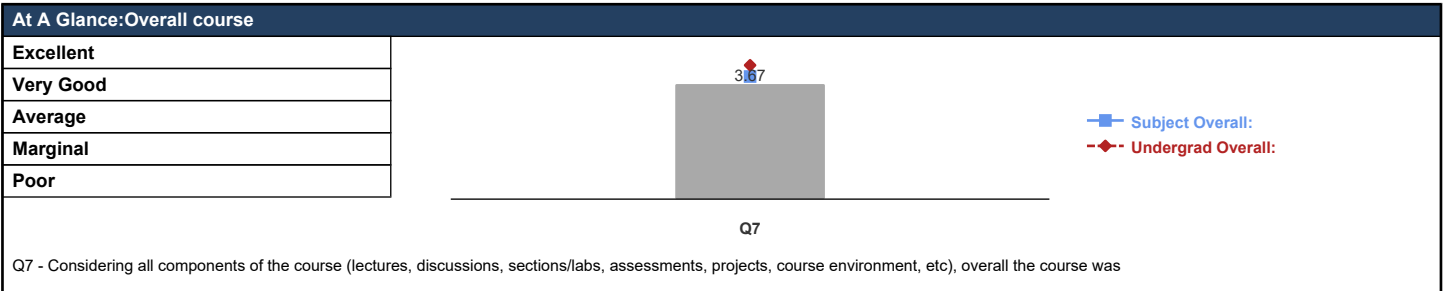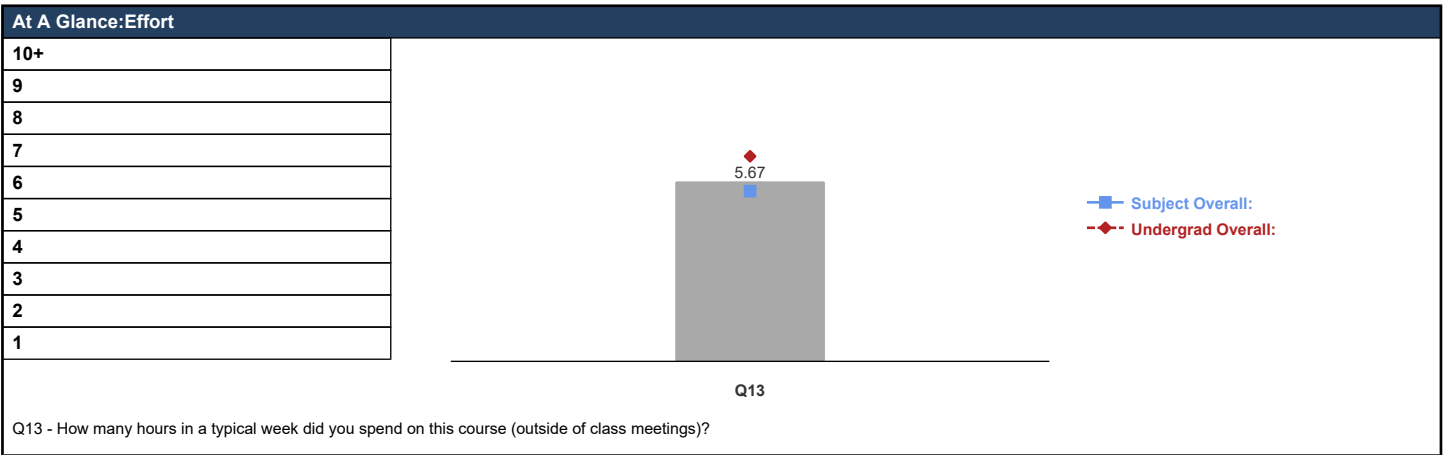**Instructor:** Sung-Ju Wu *
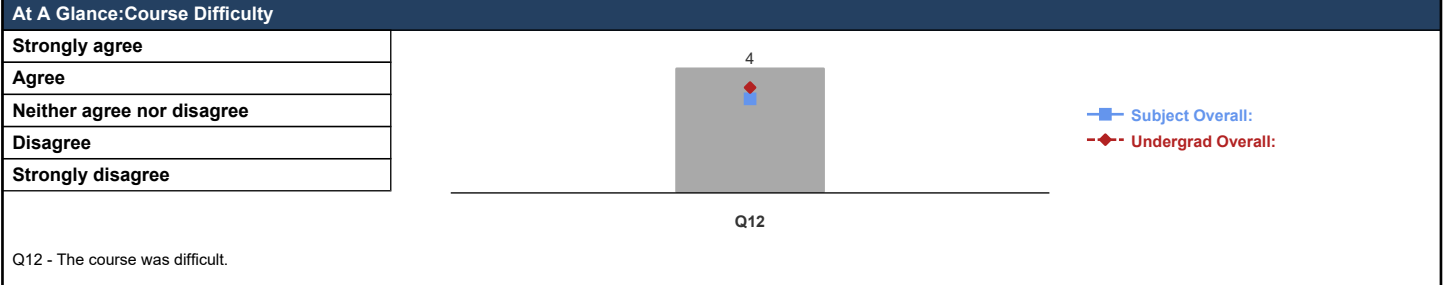
Response Rate: 3/12 (25.00 %)

12 - The course was difficult.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	1	33.33%		
Disagree	(2)	0	0.00%		
Neither agree nor disagree	(3)	1	33.33%		2.67 / 3.00 / 3.36
Agree	(4)	1	33.33%		
Strongly agree	(5)	0	0.00%		

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/12 (25.00%)	2.67	1.53	3.00	11	3.00	1.34	3.00	617	3.36	1.11	3.00

13 - How many hours in a typical week did you spend on this course (outside of class meetings)?

Response Option	Weight	Frequency	Percent	Percent Responses	Means
1	(1)	0	0.00%		
2	(2)	1	33.33%		
3	(3)	0	0.00%		
4	(4)	0	0.00%		6.67 / 5.36 / 6.46
5	(5)	0	0.00%		
6	(6)	0	0.00%		
7	(7)	0	0.00%		
8	(8)	1	33.33%		
9	(9)	0	0.00%		
10+	(10)	1	33.33%		

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/12 (25.00%)	6.67	4.16	8.00	11	5.36	3.20	5.00	617	6.46	2.98	7.00

Duke University - Trinity and Pratt Undergraduate Programs
Undergraduate Course Evaluations - Summer I 2022

Course: ECON-104D-001: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-001.
Instructor: Sung-Ju Wu *
Response Rate: 3/13 (23.08 %)

At A Glance:Course Difficulty

Strongly agree	
Agree	
Neither agree nor disagree	
Disagree	
Strongly disagree	

4

Q12

Subject Overall:
Undergrad Overall:

Q12 - The course was difficult.

At A Glance:Effort

10+
9
8
7
6
5
4
3
2
1

5.67

Q13

Subject Overall:
Undergrad Overall:

Q13 - How many hours in a typical week did you spend on this course (outside of class meetings)?

At A Glance:Overall course

Excellent	
Very Good	
Average	
Marginal	
Poor	

3.67

Q7

Subject Overall:
Undergrad Overall:

Q7 - Considering all components of the course (lectures, discussions, sections/labs, assessments, projects, course environment, etc), overall the course was

At A Glance:Overall Instructor

Excellent	
Very Good	
Average	
Marginal	
Poor	

3.67

Q8

Subject Overall:
Undergrad Overall:

Q8 - Based on the effectiveness of instruction (clarity, expertise, enthusiasm, rigor, support, inspiration, etc), overall the instructor, Sung-Ju Wu, was

Course:	ECON-104D-001: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-001.
Instructor:	Sung-Ju Wu *
Response Rate:	3/13 (23.08 %)

1 - Your personal level of engagement with the course was:

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Very low	(1)	0	0.00%		
Low	(2)	0	0.00%		
Medium	(3)	2	66.67%		
High	(4)	1	33.33%		
Very high	(5)	0	0.00%		

Means: Question 3.33, Subject Overall: 3.45, Undergrad Overall: 4.27

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/13 (23.08%)	3.33	0.58	3.00	11	3.45	0.52	3.00	617	4.27	0.83	4.00

2 - What knowledge, methods, skills, insights, or ways of thinking did you develop in this course? Please describe three specific things you learned.

Response Rate	2/13 (15.38%)

- I learned how to give meaning to random events through the use of various statistical tools.
- Offers a mathematical introduction to elementary probability and statistics, as well as a very surface-level intro to notions of inference used in econometrics.

3 - Reflecting on the overall learning environment of this class, in what ways did the instructor(s) and the structure or components of the course facilitate your learning? Are there specific course components or methods of instruction you'd keep for future years?

Response Rate	2/13 (15.38%)

- The professor had slides for each class, and would lecture on the topic for the day. He was very organized, and I knew exactly what to expect because he was clear with his instructions and plans. He also reviewed the previous day material every day, which made it easier for me to understand the concepts.
- I really enjoyed the variety of problems on the problem sets.

4 - What might improve the course? Are there specific course components or methods of instruction you'd change for future years? Did anything in particular impede a positive learning environment?

Response Rate	2/13 (15.38%)

- I think solving more problems during the class would be more helpful.
- I am not sure that the level of mathematical rigor and use of proofs as homework exercises matched the way the course is taught during a regular academic term, especially given that no proof-based math courses are pre-requisites for this class. Similarly the mathematical level of the textbook is substantially higher than the books used during regular semesters—which are usually statistics for business school—although it is non-measure-theoretic, at least.

5 - The course was intellectually stimulating. It made me think in new ways, encouraged me to adopt different points of view, or challenged me to develop new skills.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	0	0.00%		
Disagree	(2)	0	0.00%		
Neither agree nor disagree	(3)	1	33.33%		
Agree	(4)	1	33.33%		
Strongly agree	(5)	1	33.33%		

Means: Question 4.00, Subject Overall: 4.09, Undergrad Overall: 4.38

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/13 (23.08%)	4.00	1.00	4.00	11	4.09	0.70	4.00	616	4.38	0.79	5.00

6 - What made this class stimulating or how could it be more intellectually stimulating if it wasn't?

Response Rate	2/13 (15.38%)

- I did not know about statistical tools before, and now I have a much better sense of what it means to predict/ forecast population parameters.
- More exercises in class and on problem sets would have been nice, especially given the condensed schedule and that there are no sample exams.

Course: ECON-104D-001: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-001.

Instructor: Sung-Ju Wu *

Response Rate: 3/13 (23.08 %)

7 - Considering all components of the course (lectures, discussions, sections/labs, assessments, projects, course environment, etc), overall the course was

Response Option	Weight	Frequency	Percent
Poor	(1)	0	0.00%
Marginal	(2)	0	0.00%
Average	(3)	1	33.33%
Very Good	(4)	2	66.67%
Excellent	(5)	0	0.00%

Means: Question 3.67, Subject Overall: 3.91, Undergrad Overall: 4.27

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/13 (23.08%)	3.67	0.58	4.00	11	3.91	0.83	4.00	619	4.27	0.85	4.00

8 - Based on the effectiveness of instruction (clarity, expertise, enthusiasm, rigor, support, inspiration, etc), overall the instructor, Sung-Ju Wu, was -

Response Option	Weight	Frequency	Percent
Poor	(1)	0	0.00%
Marginal	(2)	0	0.00%
Average	(3)	1	33.33%
Very Good	(4)	2	66.67%
Excellent	(5)	0	0.00%

Means: Question 3.67, Subject Overall: 4.18, Undergrad Overall: 4.51

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/13 (23.08%)	3.67	0.58	4.00	11	4.18	0.75	4.00	667	4.51	0.82	5.00

9 - Based on the effectiveness of instruction (clarity, expertise, enthusiasm, rigor, support, inspiration, etc), overall the teaching assistant, , was

Response Option	Weight	Frequency	Percent
Poor	(1)	0	0.00%
Marginal	(2)	0	0.00%
Average	(3)	0	0.00%
Very good	(4)	0	0.00%
Excellent	(5)	0	0.00%
N/A	(0)	0	0.00%

Means: Question 0.00, Subject Overall: 0.00, Undergrad Overall: 4.75

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
0/13 (0.00%)	0.00	0.00	0.00	0	0.00	0.00	0.00	10	4.75	0.50	5.00

10 - In what ways did the teaching assistant(s) facilitate your learning and what might have helped even more? Include any constructive comments you'd like to share with here.

Response Rate	0/13 (0%)

11 - What would you like to say about this course to a student who is considering taking it in the future?

Response Rate	2/13 (15.38%)

• Be open to the material being taught. It is going to be challenging, but will be super useful for you in the future.

• This is not a hard course, so do not worry about it. I have no clue why the economics department decided to introduce this class, given that it adds essentially no value to the econometrics sequence, and there are more enriching, rigorous statistics offerings in other departments. The notion that two semesters of statistics (including a 400 level class) are needed to replace the material introduced in Econ 104 is amusing at best. Maybe take this during a more difficult semester as a class where you can relax a bit, because this class is (unfortunately) just another requirement you have to do.

Duke University - Trinity and Pratt Undergraduate Programs
Undergraduate Course Evaluations - Summer I 2022

Course: ECON-104D-001: FDN OF ECONOMETRICS & DATA SCI.ECON-104D-001.
Instructor: Sung-Ju Wu *
Response Rate: 3/13 (23.08 %)

12 - The course was difficult.

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0.00%
Disagree	(2)	1	33.33%
Neither agree nor disagree	(3)	0	0.00%
Agree	(4)	0	0.00%
Strongly agree	(5)	2	66.67%

Means: Question 4.00, Subject Overall: 3.00, Undergrad Overall: 3.36

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/13 (23.08%)	4.00	1.73	5.00	11	3.00	1.34	3.00	617	3.36	1.11	3.00

13 - How many hours in a typical week did you spend on this course (outside of class meetings)?

Response Option	Weight	Frequency	Percent
1	(1)	0	0.00%
2	(2)	1	33.33%
3	(3)	0	0.00%
4	(4)	0	0.00%
5	(5)	1	33.33%
6	(6)	0	0.00%
7	(7)	0	0.00%
8	(8)	0	0.00%
9	(9)	0	0.00%
10+	(10)	1	33.33%

Means: Question 5.67, Subject Overall: 5.36, Undergrad Overall: 6.46

Response Rate	Mean	STD	Median	Subject Overall:	Mean	STD	Median	Undergrad Overall:	Mean	STD	Median
3/13 (23.08%)	5.67	4.04	5.00	11	5.36	3.20	5.00	617	6.46	2.98	7.00