

# 2020W2 UBC Individual TA Report for CPSC 320 T2R - Intermediate Algorithm Design and Analysis (Victor Xiong)

Project Title: **2020W2 UBC TA Evaluations**

Course Audience: **36**

Responses Received: **5**

Response Ratio: **13.89%**

## Report Comments

### Recommended Minimum Response Rates

Class Size	Recommended Minimum Response Rates based on 80% confidence & $\pm 10\%$ 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%

Creation Date: **Monday, May 10, 2021**

## TA Questions

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
The teaching assistant was well prepared.	36	5	0	1	0	0	4	0	4.88	0.48
The teaching assistant was helpful.	36	5	0	0	1	0	4	0	4.88	0.32
The teaching assistant was considerate of students.	36	5	0	0	0	0	5	0	5.00	0.00
The teaching assistant was easily understood.	36	5	0	1	0	2	2	0	4.25	0.56
The teaching assistant was an effective instructor.	36	5	0	0	1	0	4	0	4.88	0.32

Question	%Favourable
The teaching assistant was well prepared.	80.00%
The teaching assistant was helpful.	80.00%
The teaching assistant was considerate of students.	100.00%
The teaching assistant was easily understood.	80.00%
The teaching assistant was an effective instructor.	80.00%

## Enter comments below

Comments
Victor was great! Although, at times it was a little difficult to understand him. Perhaps because his section/question–assigned was typically at the end of the tutorial and he had to rush through. I think his notes could have been improved if they were typed/or more naturally segmented. His writing was a little hard to read at times.
Victor seems like he is not prepared all the time, he doesn't answer questions well.
His fill–in–the–blank teaching method was really helpful. It really emphasized the important parts of what we were trying to learn rather than getting bogged down in the specifics of the code itself, which was nice.
I really think he spoke patiently and was really informative. I was lucky to be in his tutorial section. Just a tiny thing is that Victor's handwriting is not as clear as his thoughts. But still he is one of my favorite TAs in CPSC 320.

## Explanatory Note

### Percent Favourable Rating

This is the percentage of respondents who rated the instructor a 4 or 5 (Agree or Strongly Agree).

### Interpolated Median

The data collected for Student Evaluations of Teaching (SEoT) are ordinal in nature, with a natural order (from 1 to 5). While the mean may be used as a measure of central tendency for such data, it is not an appropriate or accurate representation of SEoT data (cf. Stark & Freishtat, 2014). The usual measure of central tendency for ordinal data is the median. As a result, we have been reporting the mean and the median for the last several years. After considerable thought and data modeling, we now believe that the interpolated median is the best representation of the data, since it takes the frequency distribution into account.

Consider the following example from 2015W, the two classes have identical mean (3.8). However, the instructor in class 2 received 77% favourable (4-5) ratings, compared to 53% for the instructor in class 1. The Interpolated median values of (3.7 and 4.2), much better reflects the distribution of the scores above and below their respective median. Furthermore, the interpolated median is better correlated with percent favourable rating; such that an interpolated median of 3.5 on a Likert scale of 1 to 5, corresponds to 50% favourable rating.

Frequency Distribution

Response for UMI	Class 1	Class 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%

## 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 to the instructor. 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 SEoT data at UBC, the index rarely exceeds 0.85, and mostly for evaluations not meeting the minimum recommended response rate.