

# Students' Perception of the Impact of Covid-19 Pandemic on their Educational Environment at Andrews University



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## Purpose of Study

- To examine students' perceptions of the impact of COVID-19 pandemic on their educational environment during the transition to remote learning in Spring 2020

## Background Information

- Andrews University switched to a completely remote learning modality from the traditional face-to-face in-classroom instructions.
- This study was conducted to examine students' perceptions of the impact of the COVID-19 pandemic on their educational environment during the transition.

## Inclusion Criteria

- All participants were Andrew's Students who were enrolled Spring 2020 semester

## Methodology and Measures

- Mixed-method design with an electronic survey
- In-depth personal interviews.
- Recruitment by e-mail through the office of the Provost and social media.
- Dundee Ready Education Environment Measure (DREEM) tool - adapted for COVID-19 Pandemic
- Interview volunteers from the survey participants

## Data Analysis

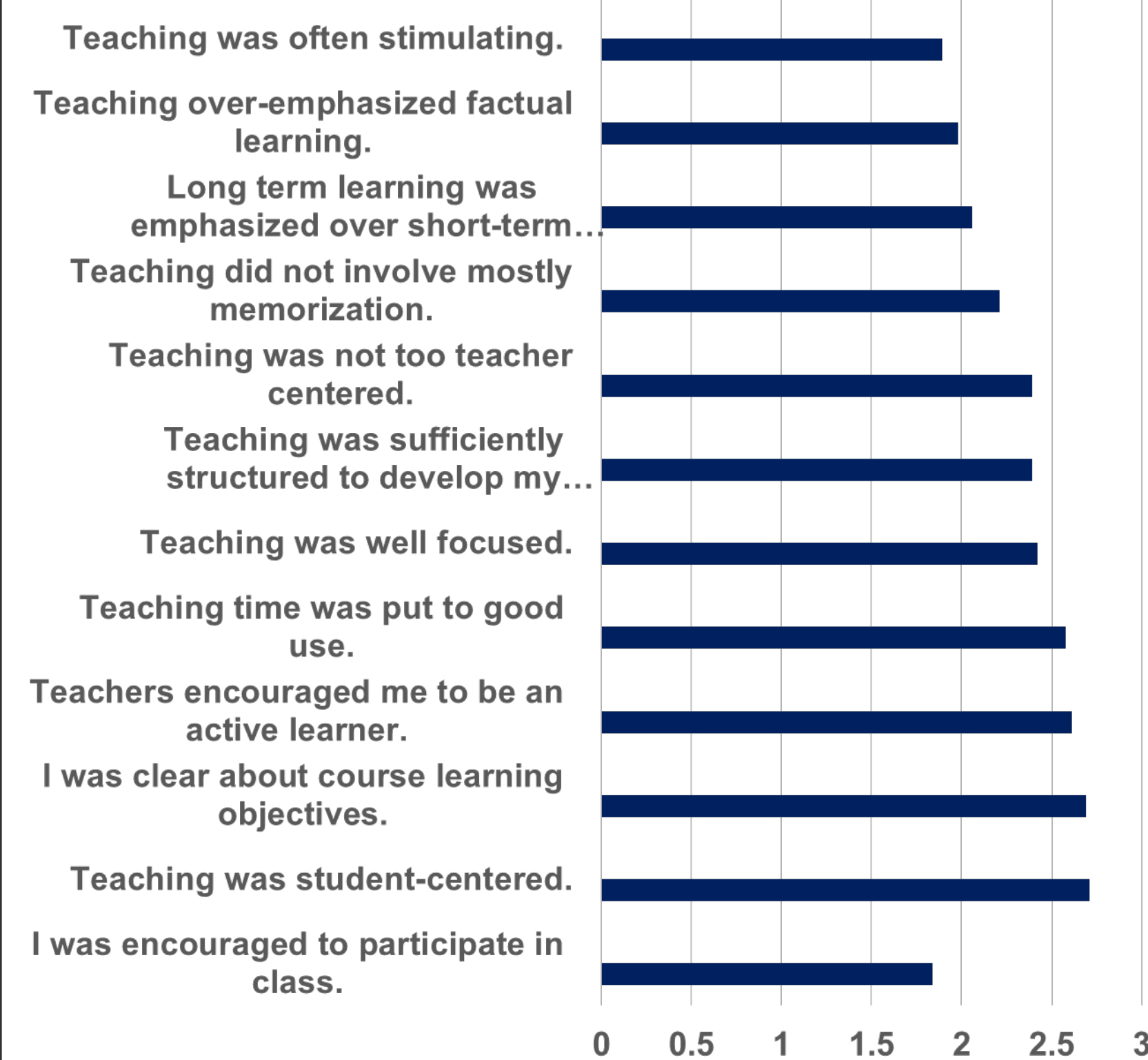
- Descriptive analysis of data using SPSS version 25 – Preliminary results
  - Mean, SD and percentages.
  - Other analysis ongoing
- Qualitative
  - Data collection and transcription completed – analysis ongoing.

**Only survey results reported in the poster**

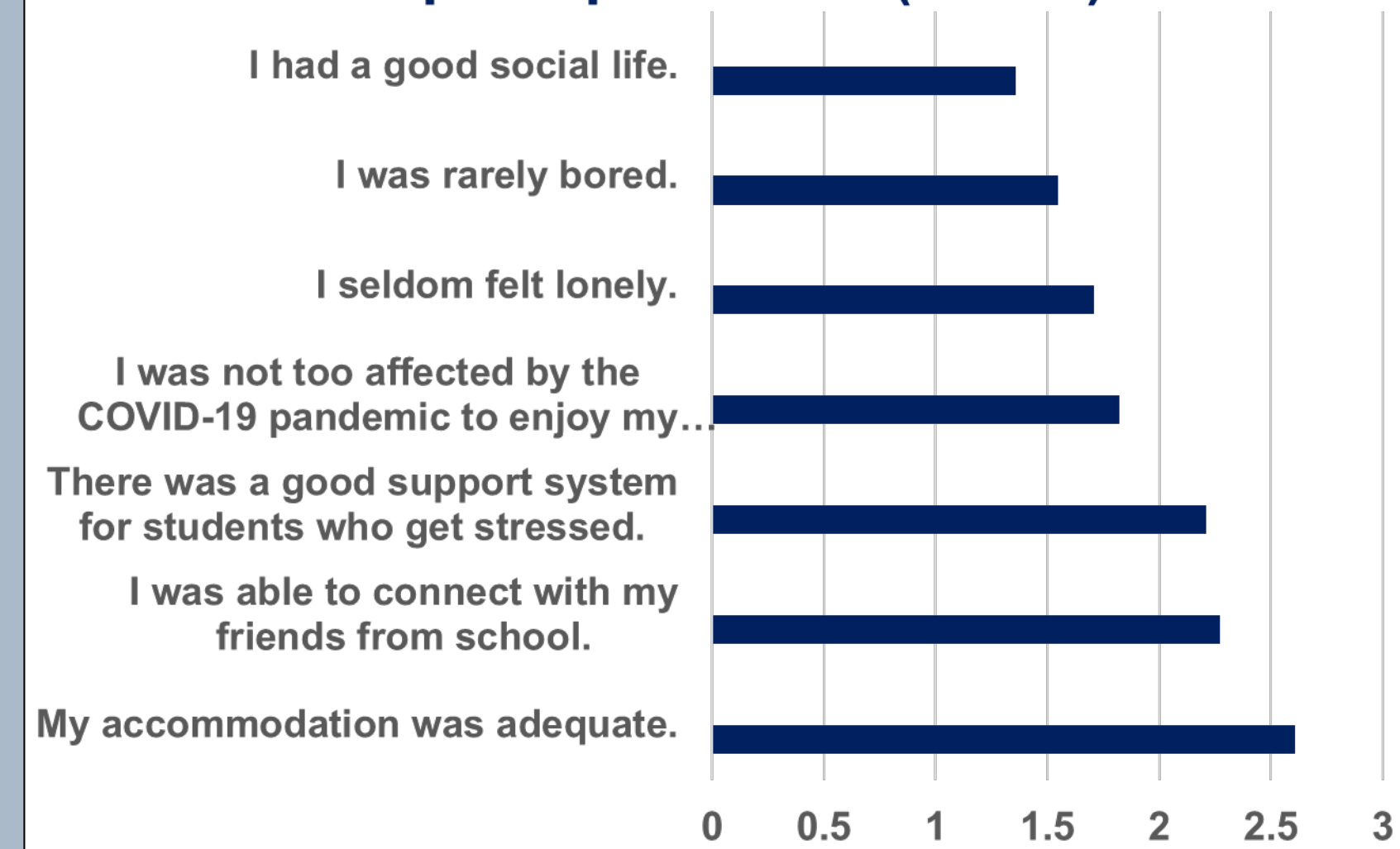
## Results

Demographics of Survey Participants (n=421)	%
<b>Gender</b>	<b>31.1</b>
Male	
Female	<b>68.9</b>
<b>Ethnicity</b>	
Asian	<b>19.7</b>
Bi/Multicultural	<b>12.4</b>
Black	<b>25.2</b>
Latino/a	<b>13.3</b>
White	<b>26.4</b>
Other	<b>2.9</b>

### Average scores for each Perceptions of learning's item (n=421)



### Average scores for each Social Self-perception item (n=421)



## Results

### Score interpretation of Perception of Learning

•0 - 12	Very Poor
•13 - 24	Teaching is viewed negatively
•25 - 36	A more positive perception
•37 - 48	Teaching highly thought of

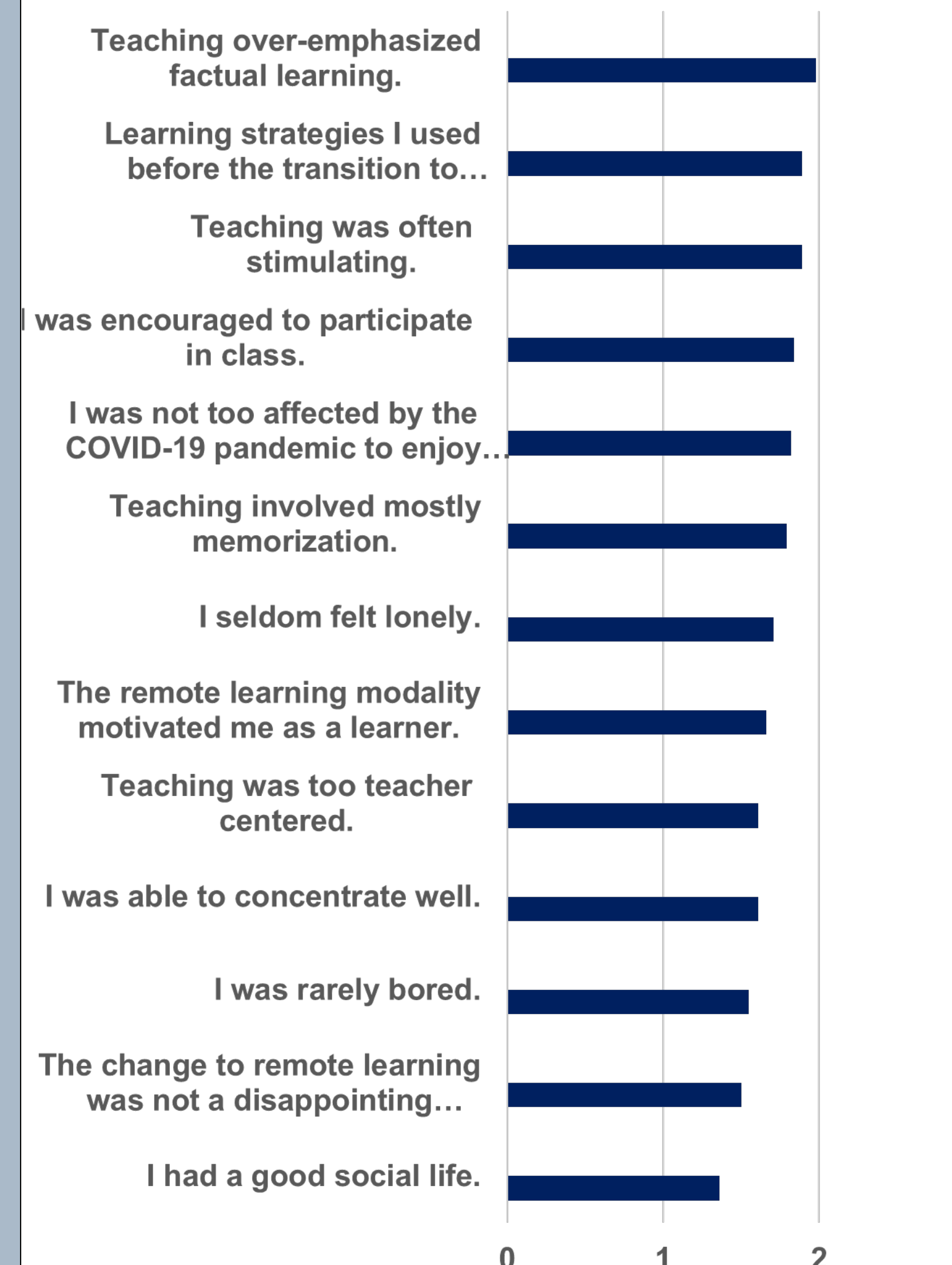
### Score interpretation of Social Self Perceptions

•0 - 7	Miserable
•8 - 14	Not a nice place
•15 - 21	Not too bad
•22 - 28	Very good socially

### Subscale Score Results (n=421)

Characteristics	M	SD	Min	Max
Perceptions of Learning	27.82	6.98	7	47
Social Self Perceptions	13.52	4.7	0	27

### Items needing improvement (n=421)



## Summary of findings

- Remote learning experience rated 'more positive than negative'
- Social life rated as negative experience.
- Consider innovative ways to improve social life and the areas of improvement.
- This study informs our students' perceptions of the pandemic season.

## Strengths and Limitations

- Large sample size - students' representation.
- Cross sectional study
- Pandemic is still ongoing, and perceptions may change with time.

## Future Projects

- Qualitative analysis for survey data ongoing.
- Qualitative analysis for the interview data ongoing
- Measure students' perception post-COVID.

## Significance

- Findings will be presented at MASAL conference and published to inform the public.
- Andrews University faculty may use the results to improve students' teaching and learning experiences.