



文藻外語大學  
WENZAOU RSULINE  
UNIVERSITY OF LANGUAGES

# A Comparative Study on College Student's Perception of Online Classes during Covid-19 Pandemic in Taiwan and Vietnam

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SID: 11080509 UE3B

December 8, 2021



“I believe that the integration of information technology in education will be further accelerated, and that online education will eventually become an integral component of school education.”

Wang Tao (2020),  
Vice President of Tencent Cloud  
Vice President of Tencent Education

# Motivation

Aims to study different issues of college students in Taiwan and Vietnam.

Compare the results between students in Taiwan and Vietnam.

The results of college students in the two countries are comparable due to several factors such as cultural similarity, time of pandemic interference, beforehand preparation, and solution approach.



# Research Questions

## Research Questions:

1. What problems have more negative/positive effects on college students in online classes in Taiwan and Vietnam?
2. How different are students' experiences in online classes between Taiwan and Vietnam?

# Research Model

<b>Study field</b>	<b>Division</b>	<b>Description</b>
Learning Experience	Efficiency	the instruction quality of online classes
	Usefulness	the support on learning of online classes
Technological Recognition	Ease of use	the usability of learning platforms for all students
Psychological Affection	Enjoyment	the mental and emotional experience through online learning
Adoption Potential	Attitude	the bias toward online classes
	Intention	the future application of online classes

# Literature Research

Bahasoan, et al. (2020)

Fatonia, et al. (2020)

Bahasoan, et al.  
(2020)

Chung, et al. (2020)

Network Problems

Lesson Understanding

Nassr, et al. (2020)

Adnan, Anwar (2020)

Fawaz, Samaha (2021)

Stress

Preference

Browning, et al. (2021)

Bahasoan, et al.  
(2020)

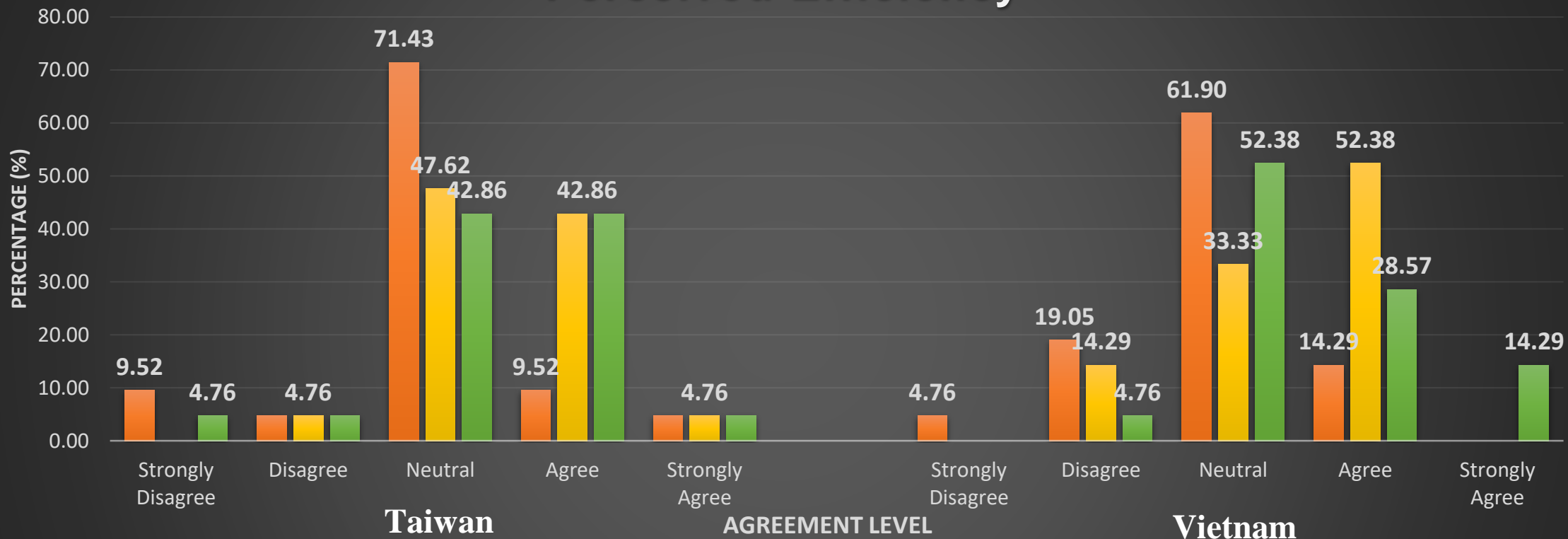
Cao, et al. (2020)

# Result

Categories		Taiwan		Vietnam	
Respondent	Freshman	1	4.76%	1	4.76%
	Sophomore	8	38.10%	0	0%
	Junior	5	23.81%	8	38.10%
	Senior	7	33.33%	12	57.14%
Time of using the Online Classes	<1 year	15	71.43%	7	33.33%
	1-2 years	5	23.81%	14	66.67%
	>2 years	1	4.76%	0	0%
Platform	Google Meet	20	95.24%	9	42.86%
	Zoom	16	76.19%	5	23.81%
	Microsoft Teams	16	76.19%	14	66.67%
	Adobe Connect	6	28.57%	0	0%



## Perceived Efficiency



■ I think online classes provided me with clearer instructions.

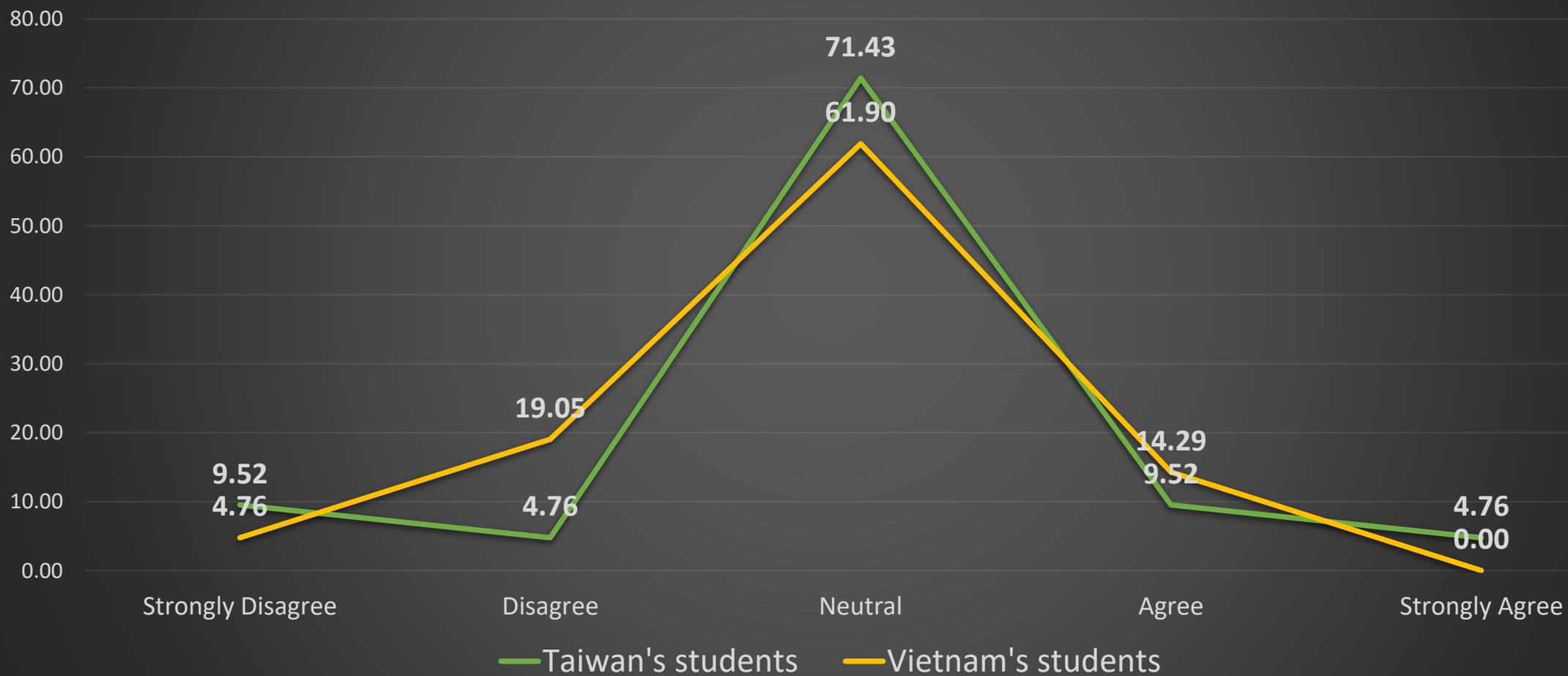
■ I think online classes have good uses of technological teaching tools.

■ I think online classes gave me more access to supplementary materials and activities.





## I think online classes provided me with clearer instructions.





Lack of interactions

Sv1, Sv2, Sv3, Sv4

St1, St2

Problems with network connection

Sv4, Sv5, Sv6, Sv7

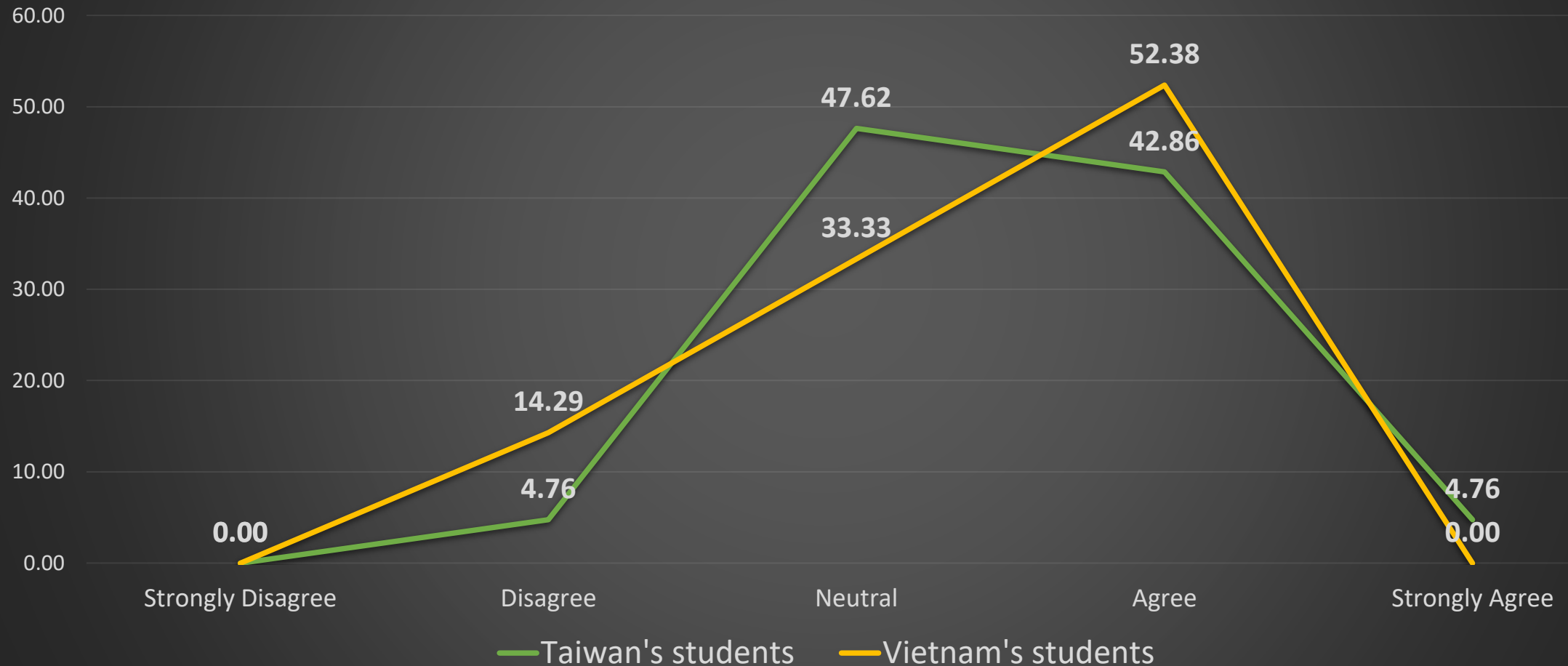
Technological practice of the instructors

Sv7, Sv8

St3, St4, St5, St6, St7

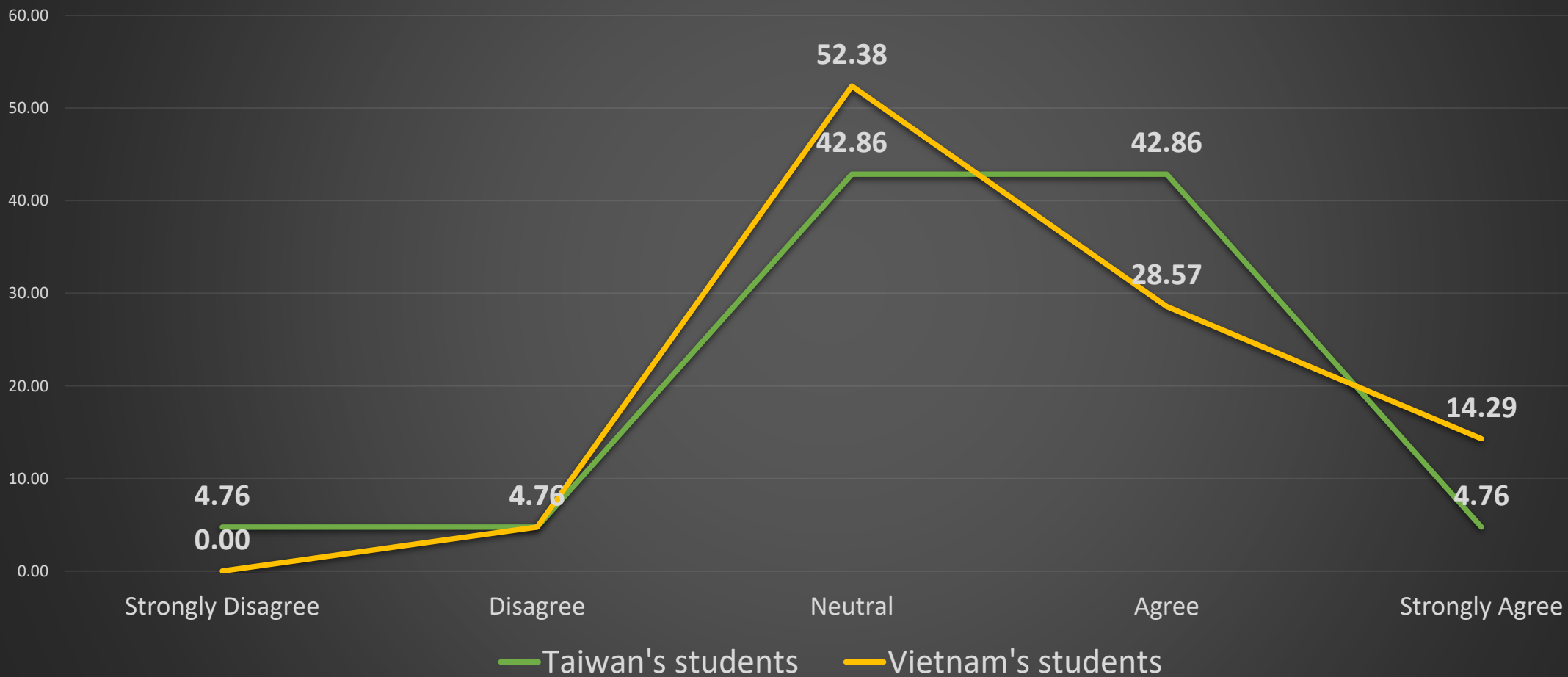


## I think online classes have good uses of technological teaching tools.





## I think online classes gave me more access to supplementary materials and activities.



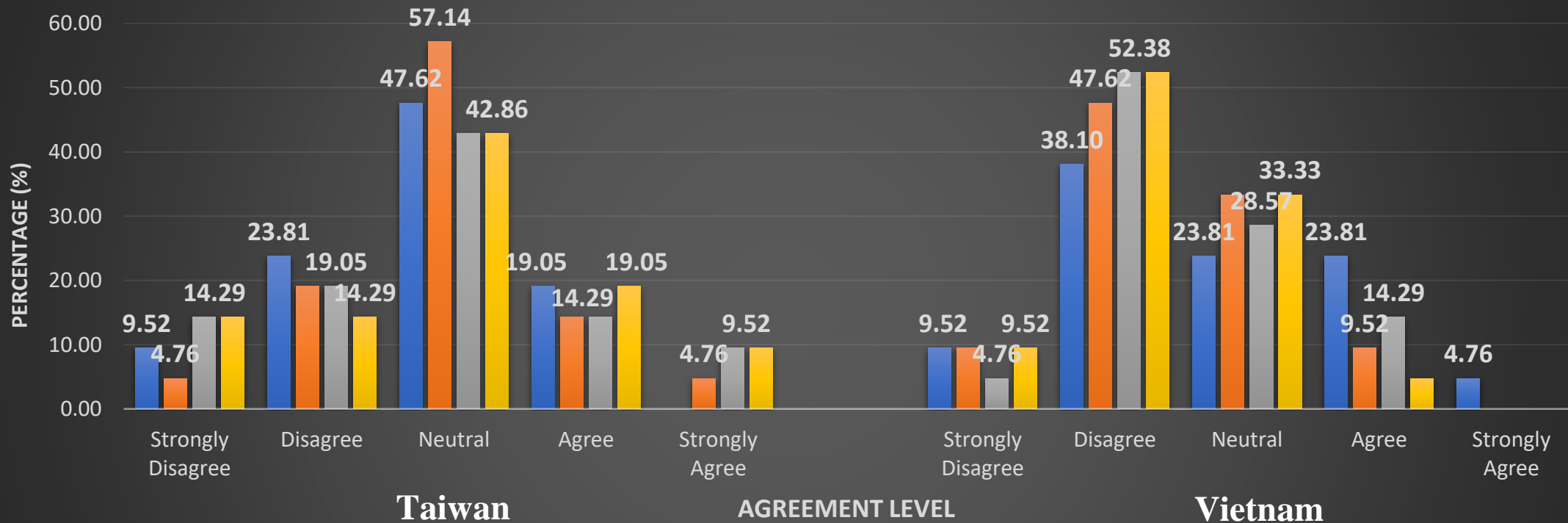


St8, St9, St10, advocated more resources given by the instructors

Sv10, emphasized students' learning autonomy on the course knowledge



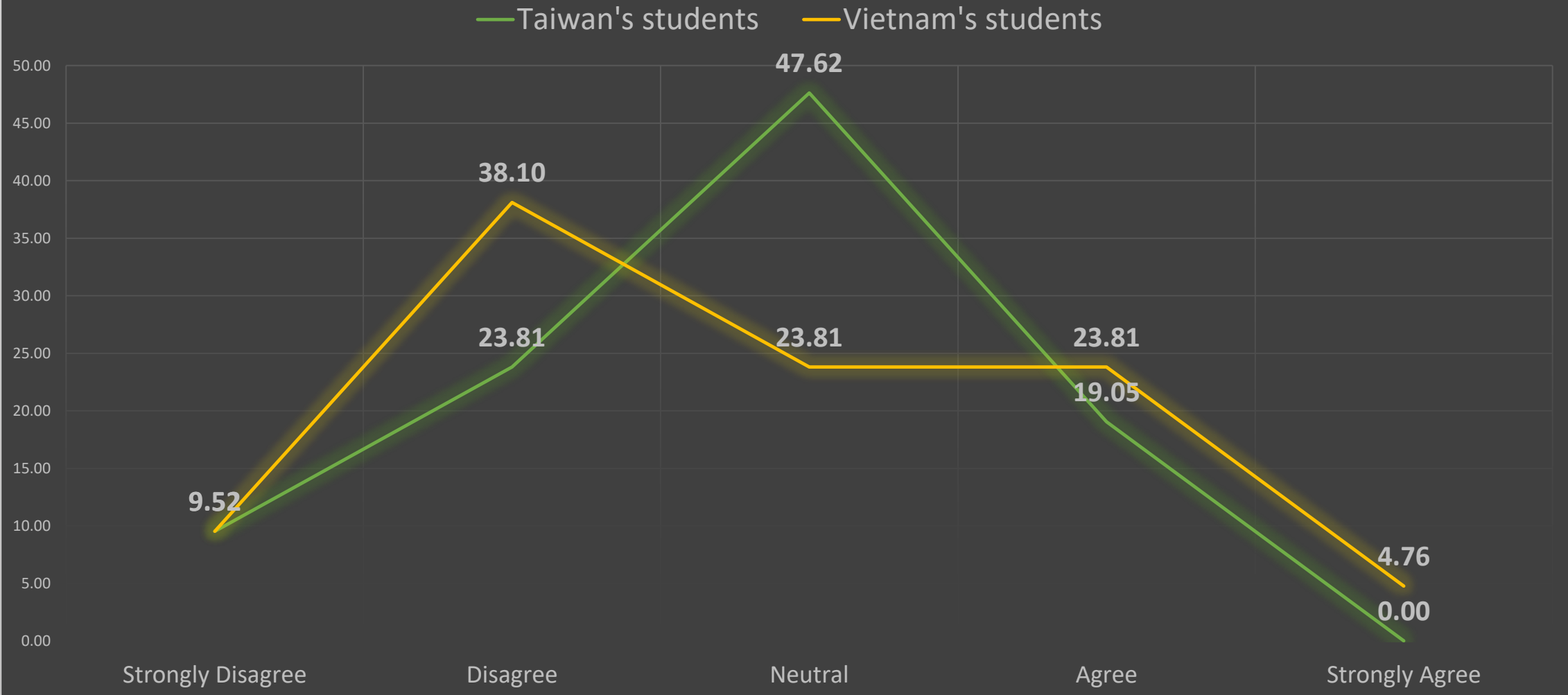
## Perceived Usefulness



- I think online classes can improve focus on the lectures.
- I think online classes can improve the quality of my learning.
- I think online classes can reduce the learning workload in classes.
- I think online classes can reduce the learning workload after classes.



# I think online classes can improve focus on the lectures.





# Distraction

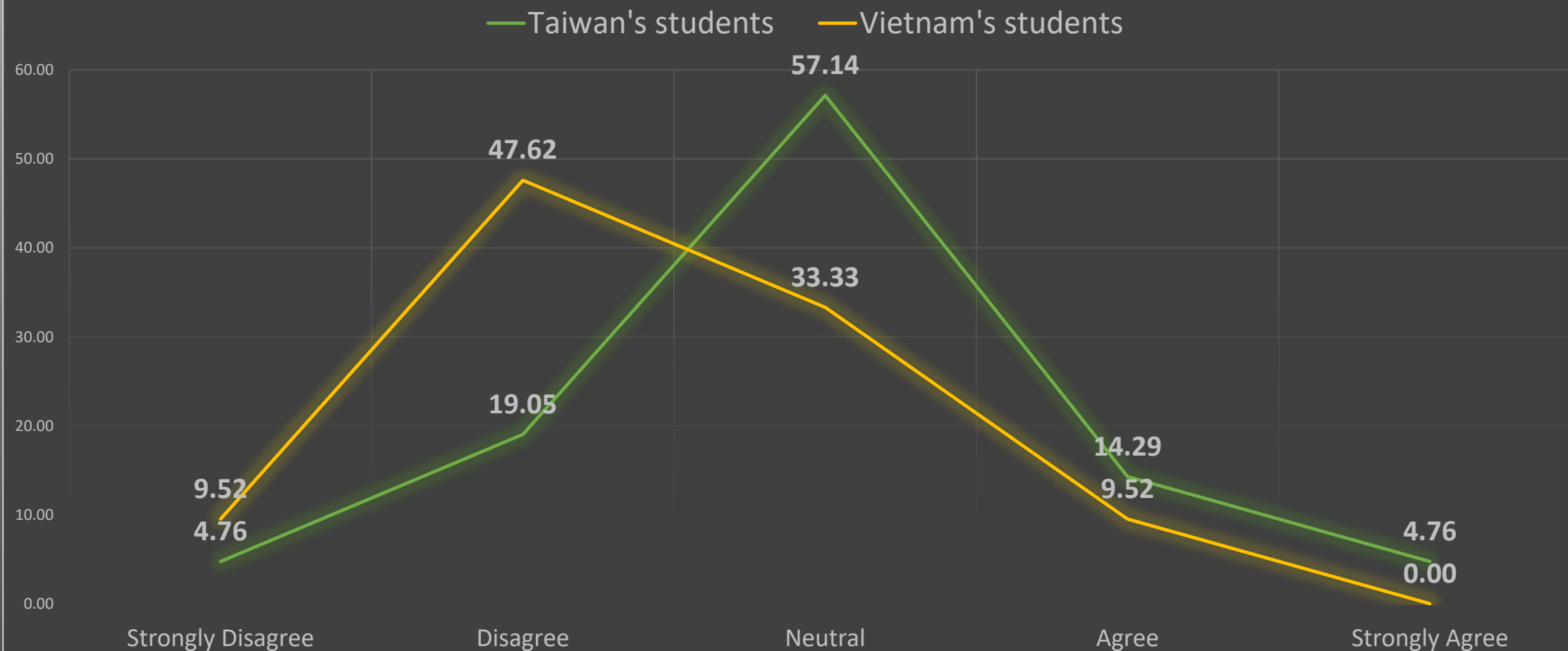
Sv1, Sv6, Sv11

St9, St10, St11





# I think online classes can improve the quality of my learning.





# Proficiency

Sv2, Sv6, Sv12, Sv13

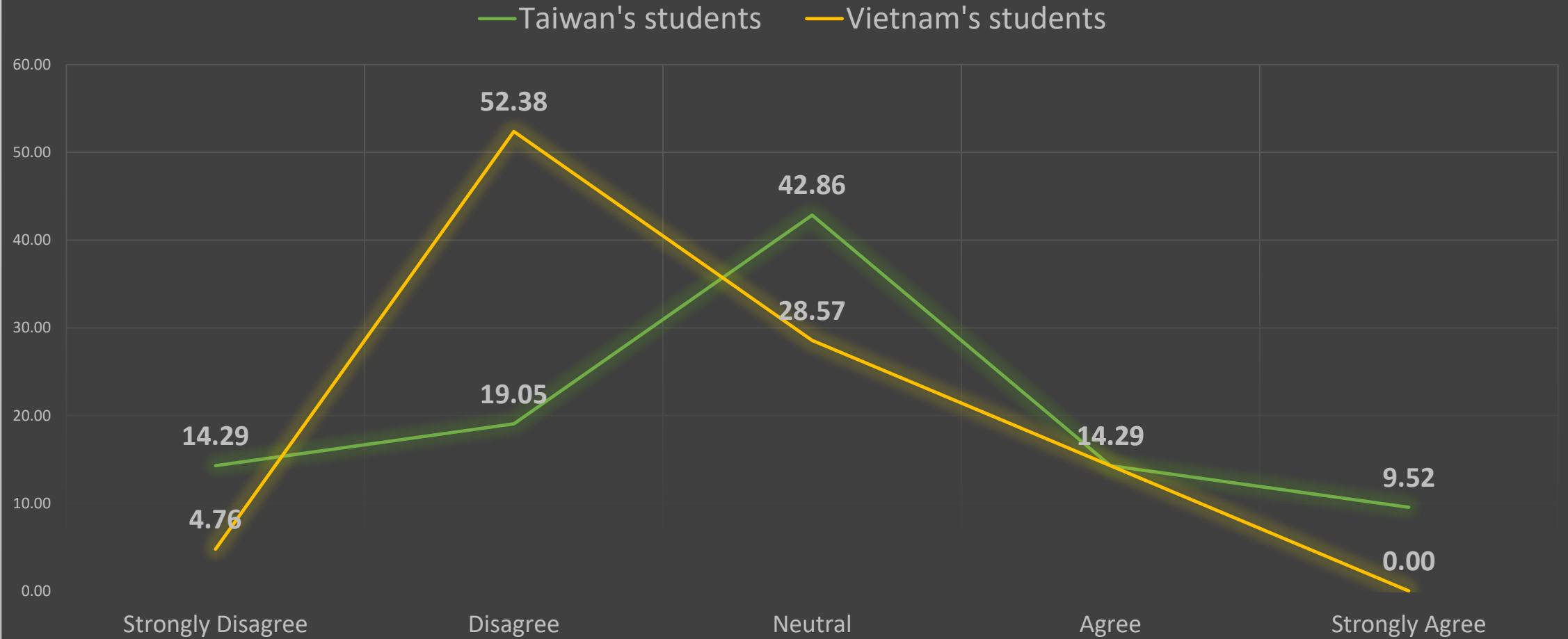
St1

St5

St6, St8



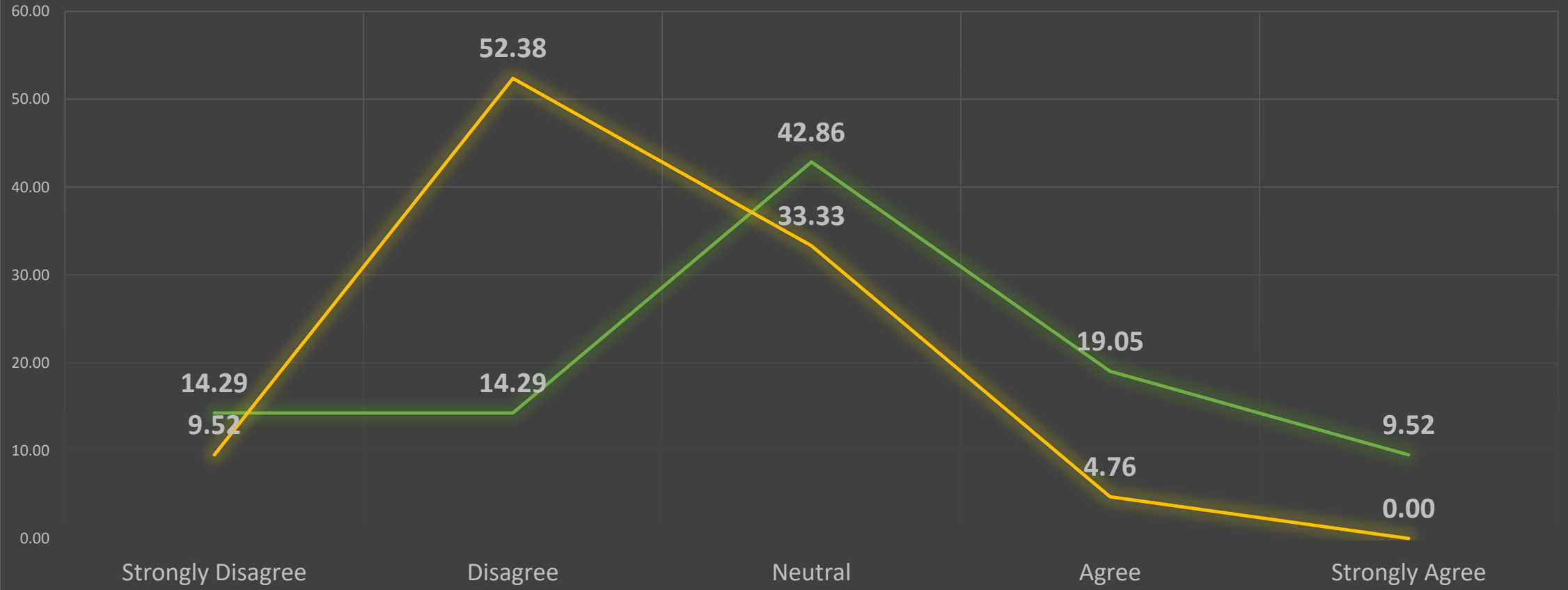
# I think online classes can reduce the learning workload in classes.





## I think online classes can reduce the learning workload after classes

Taiwan's students Vietnam's students





After-class

Sv5, Sv7, Sv9

Workload

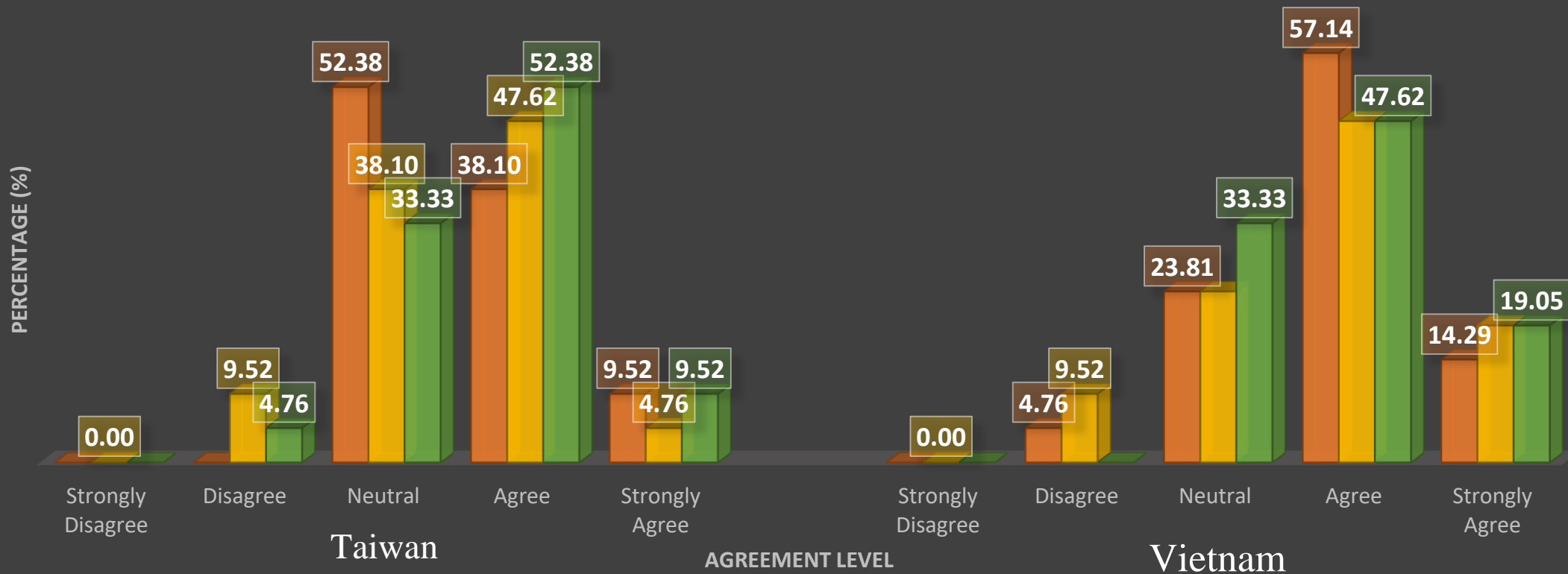
In-class

St2, Sv9

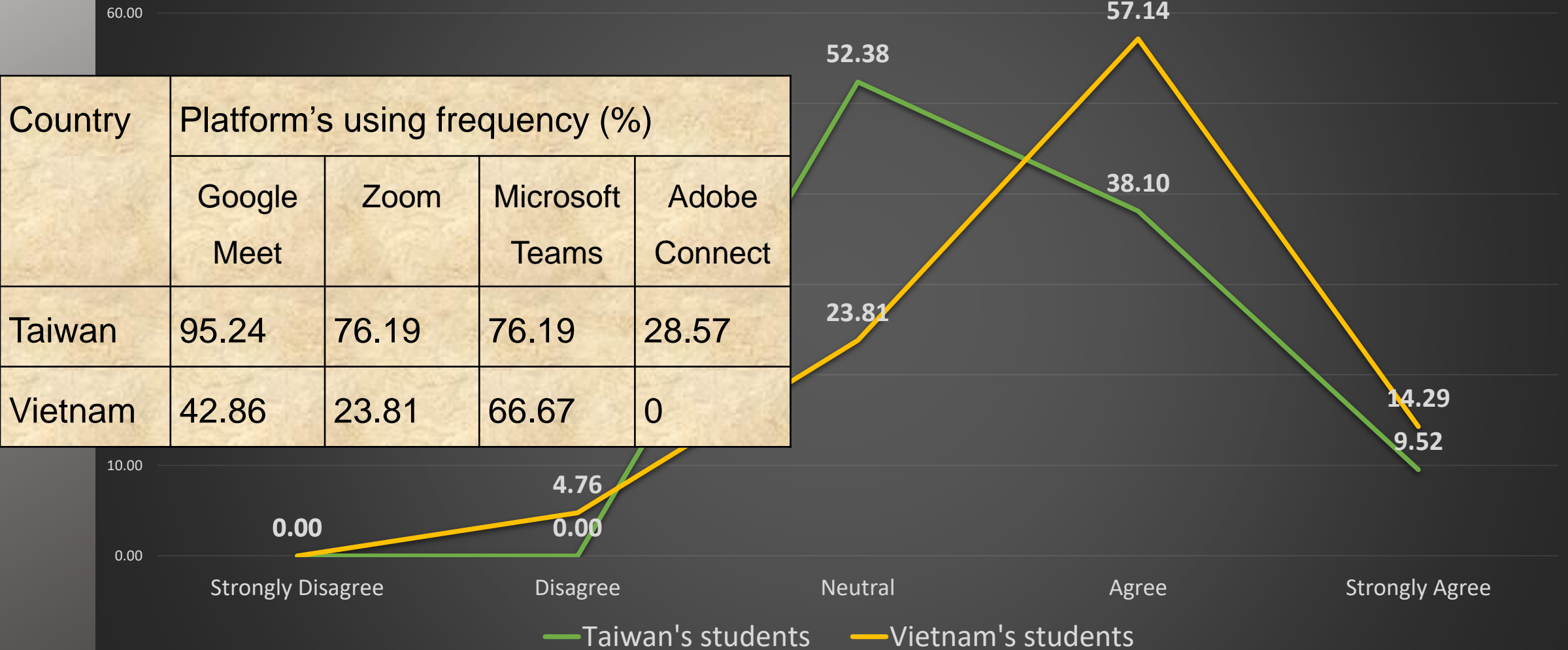


## EASE OF USE

- I think online classes are not difficult to use.
- I do not need too much effort to learn how to use online classes in learning.
- I do not need much time to learn how to use online classes in learning.



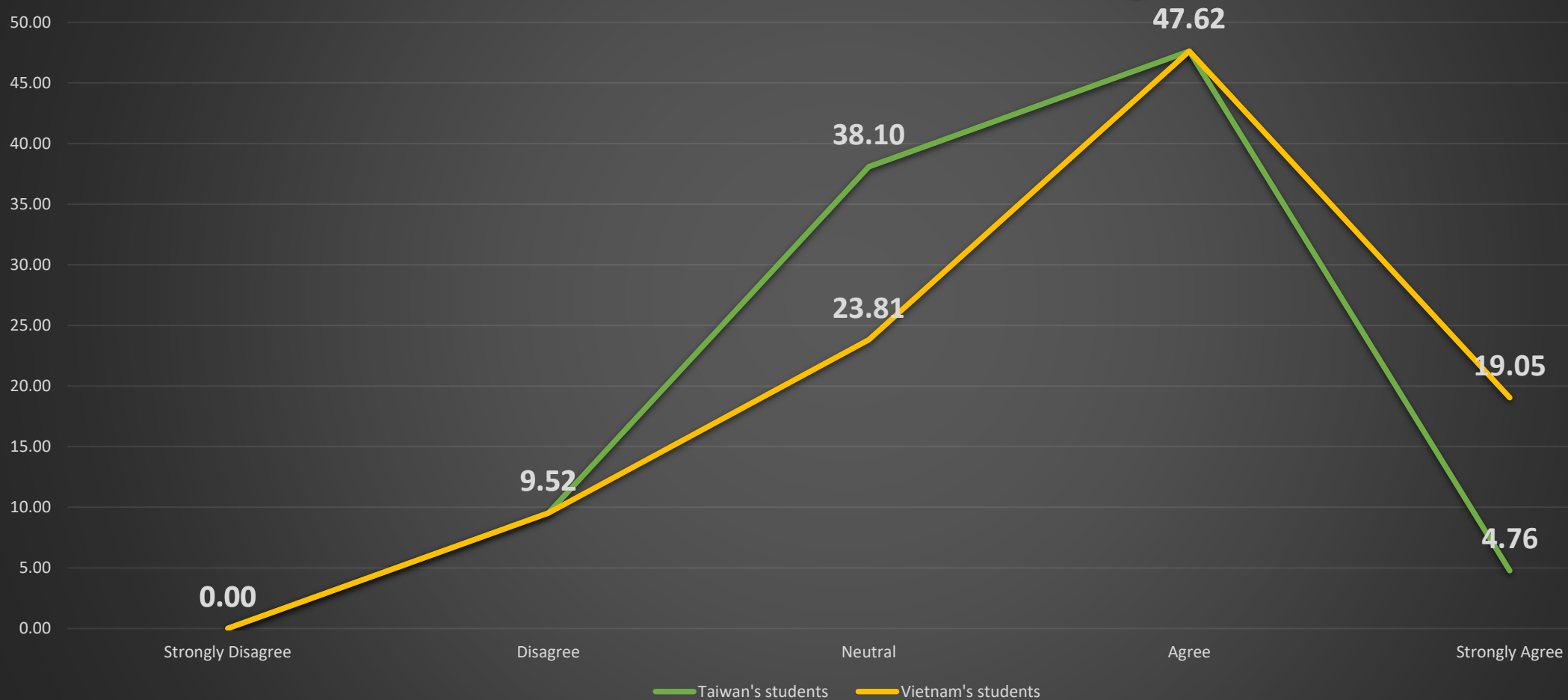
## I think online classes are not difficult to use.



Country	Platform's using frequency (%)			
	Google Meet	Zoom	Microsoft Teams	Adobe Connect
Taiwan	95.24	76.19	76.19	28.57
Vietnam	42.86	23.81	66.67	0



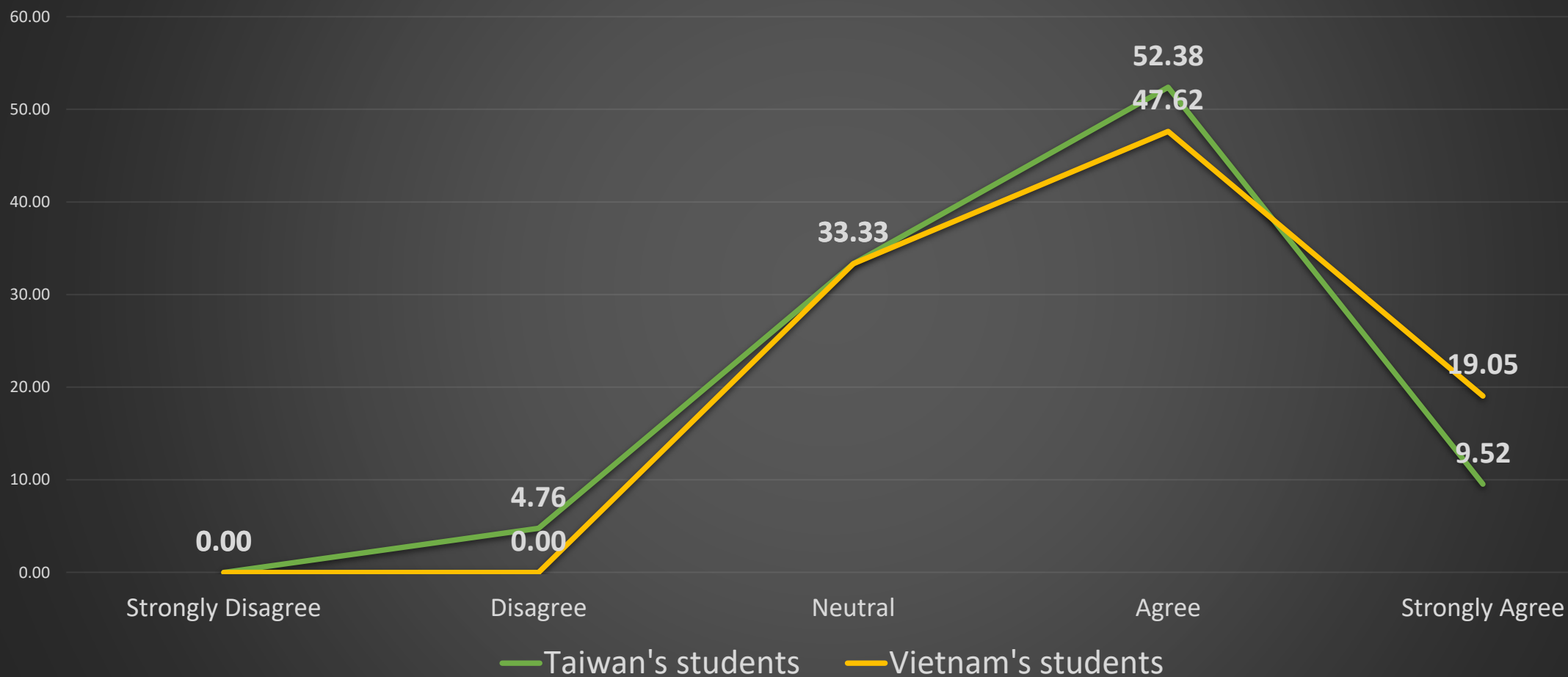
## I do not need too much effort to learn how to use online classes in learning.







## I do not need much time to learn how to use online classes in learning.





GenZ, Young Generation

Sv2, Sv4, Sv5, Sv7, Sv8, St4

Friendly Platforms

Sv6, Sv14, Sv15, St2, St5, St10

Sv15, Sv16

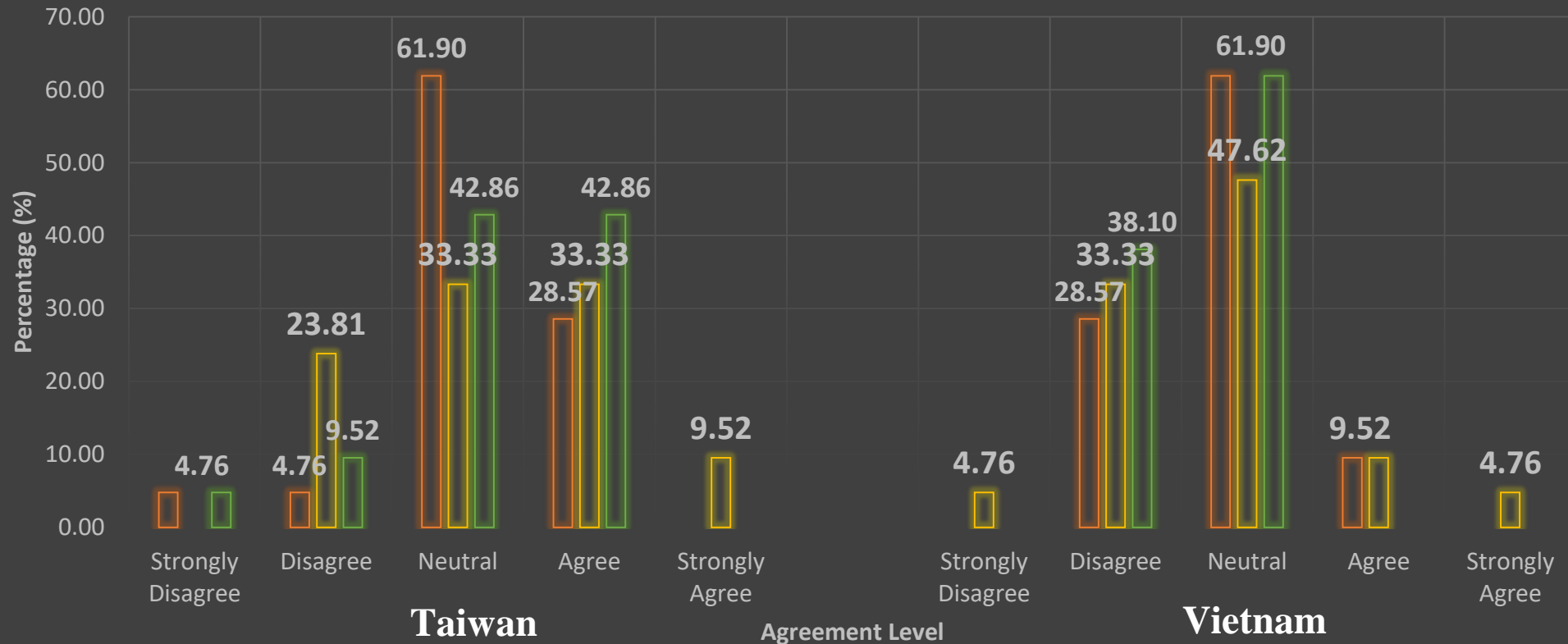
Beforehand Preparations

Sv2, St18



## Perceived Enjoyment

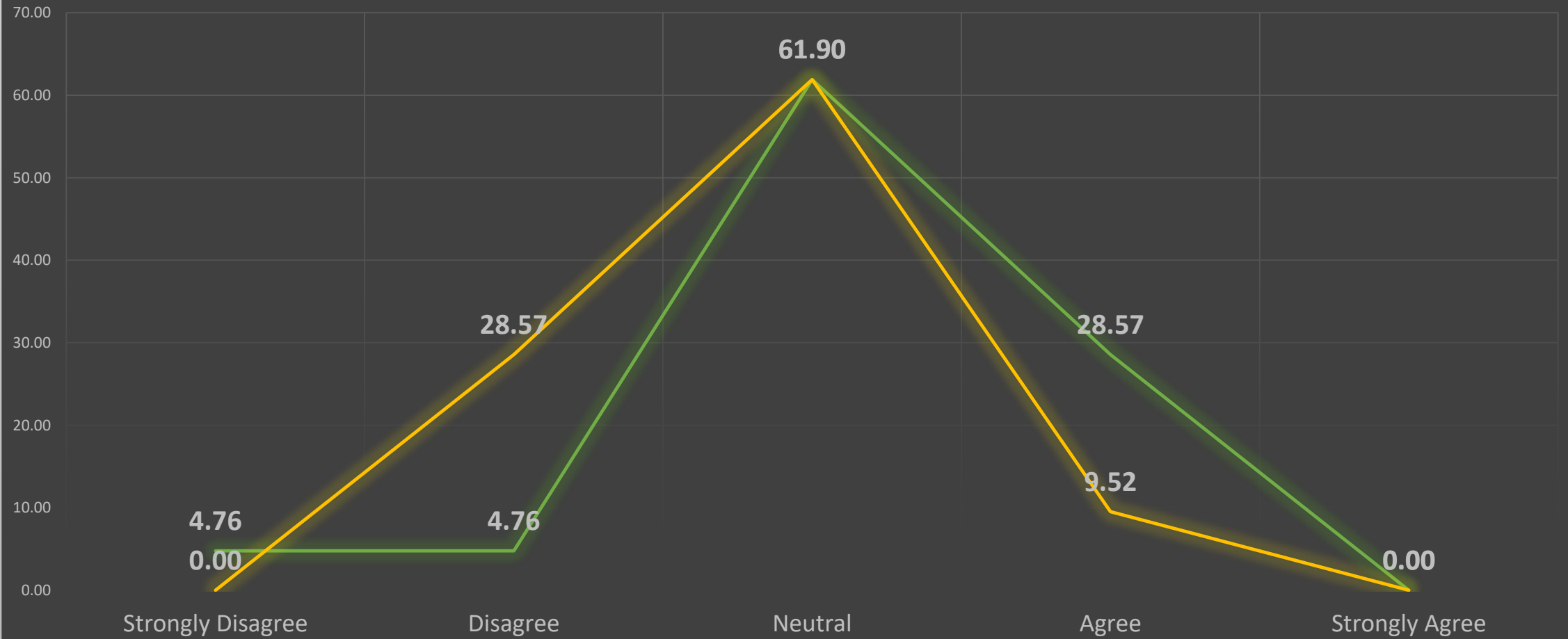
- I think online classes are interesting.
- I think online classes reduce the pressure of learning.
- I have fun when I use online classes for learning.





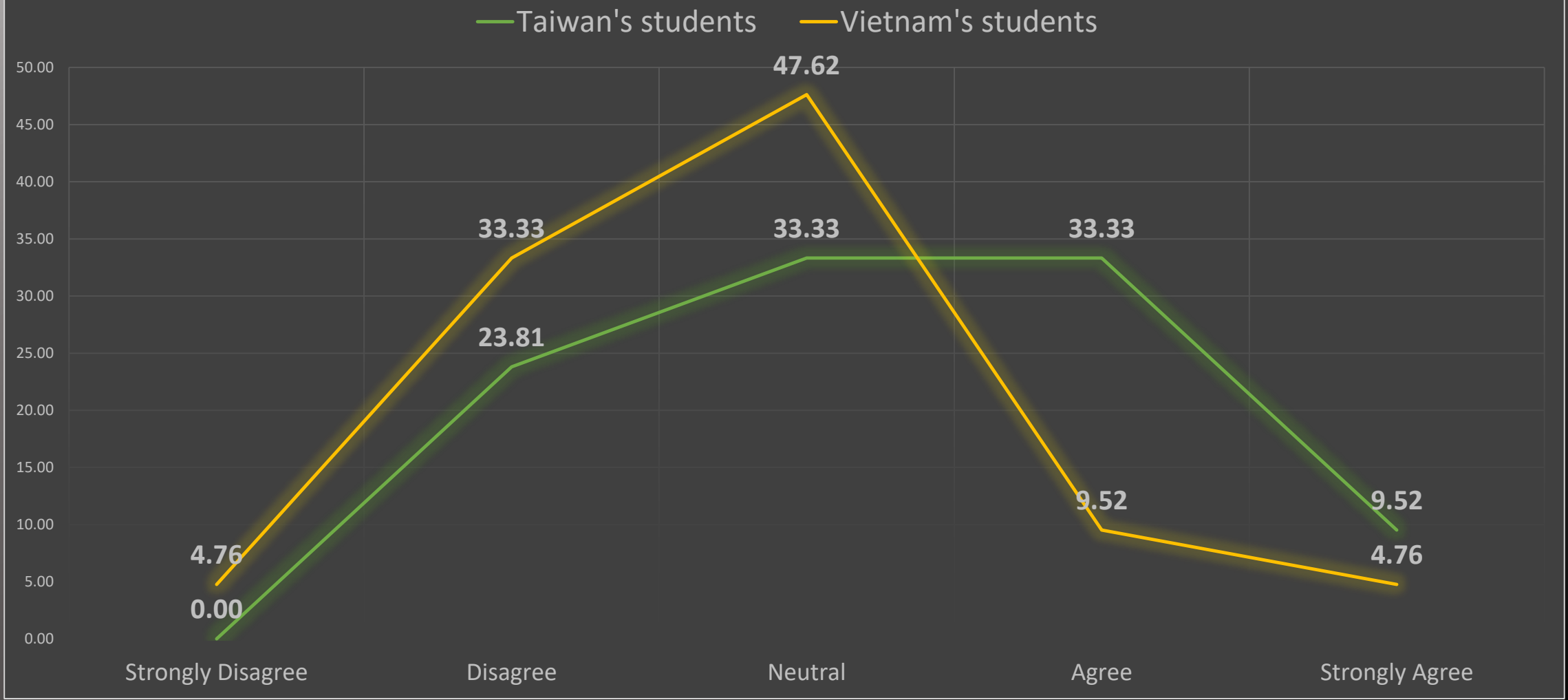
## I think online classes are interesting.

Taiwan's students Vietnam's students





# I think online classes reduce the pressure of learning.





Stress and  
Pressure

Sv7, Sv15

St2, St9, St12

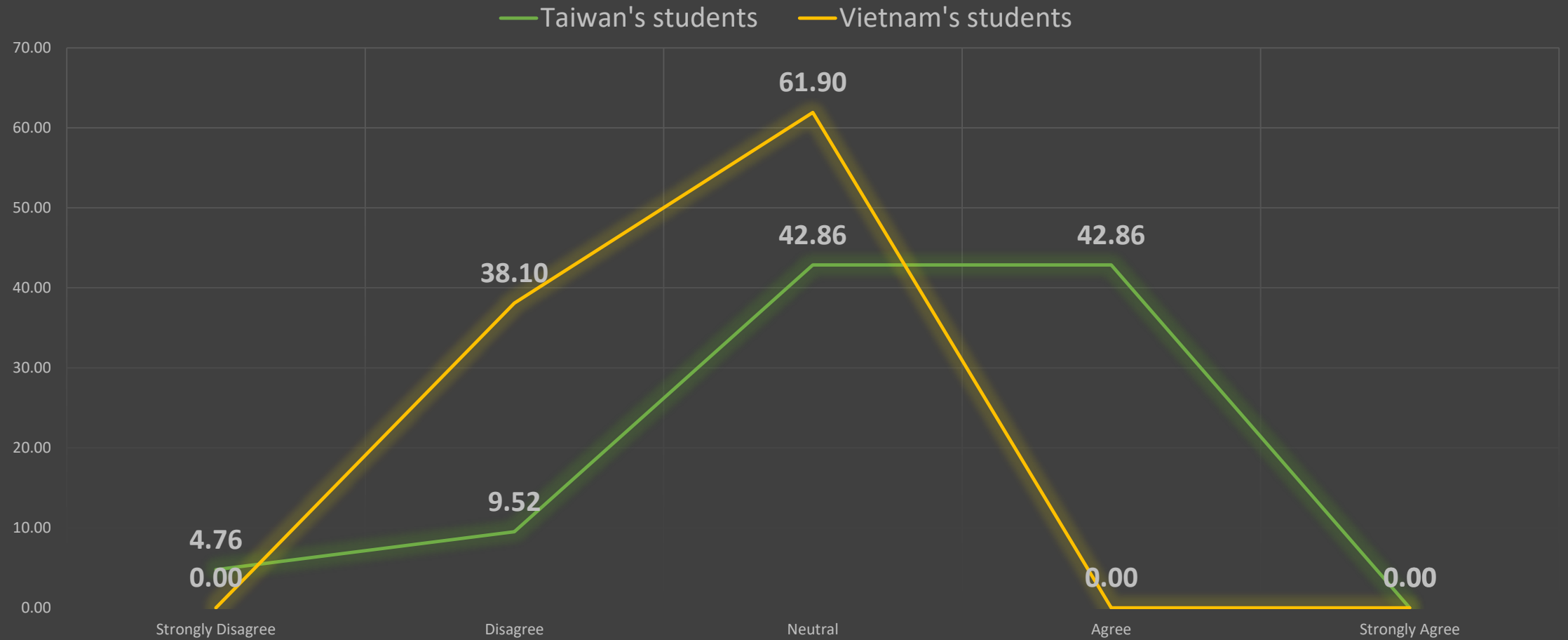
Social Relation

Physical Health

Environment



# I have fun when I use online classes for learning.





Enjoyment

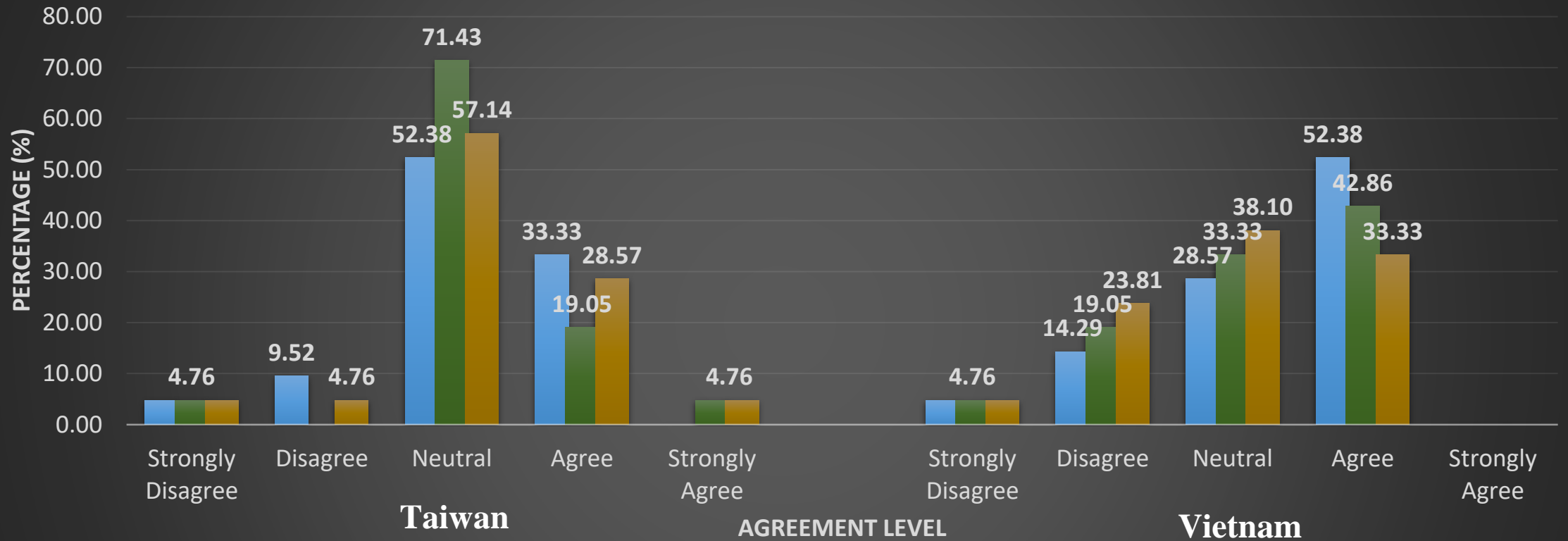
Sv2, St8

Sv13, Sv17, St5





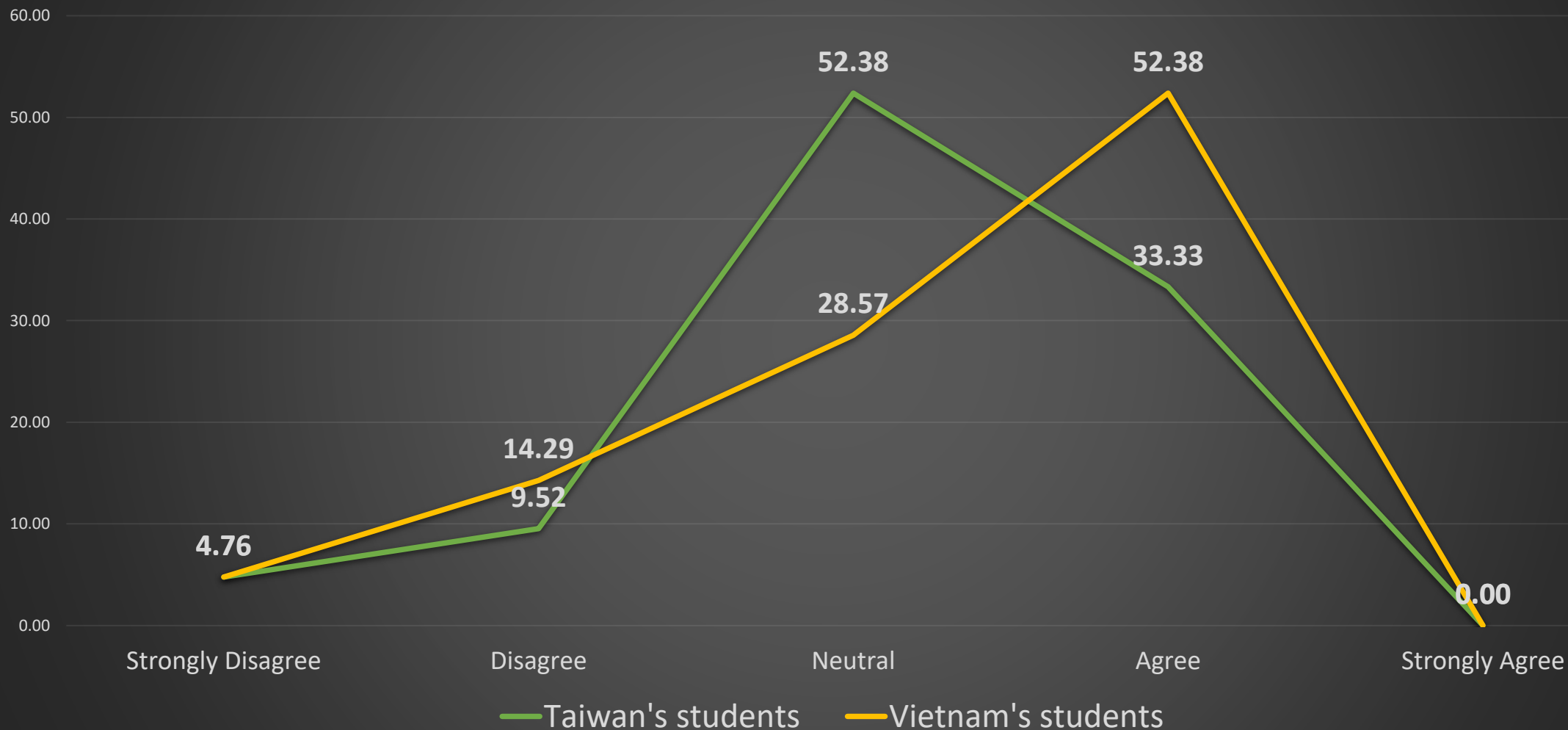
## Adoption Attitude



- I think using online classes is a good idea for learning.
- I think using online classes seems helpful in learning.
- I think I have a positive attitude toward the use of online classes.



I think using online classes is a good idea for learning.





# Convenience

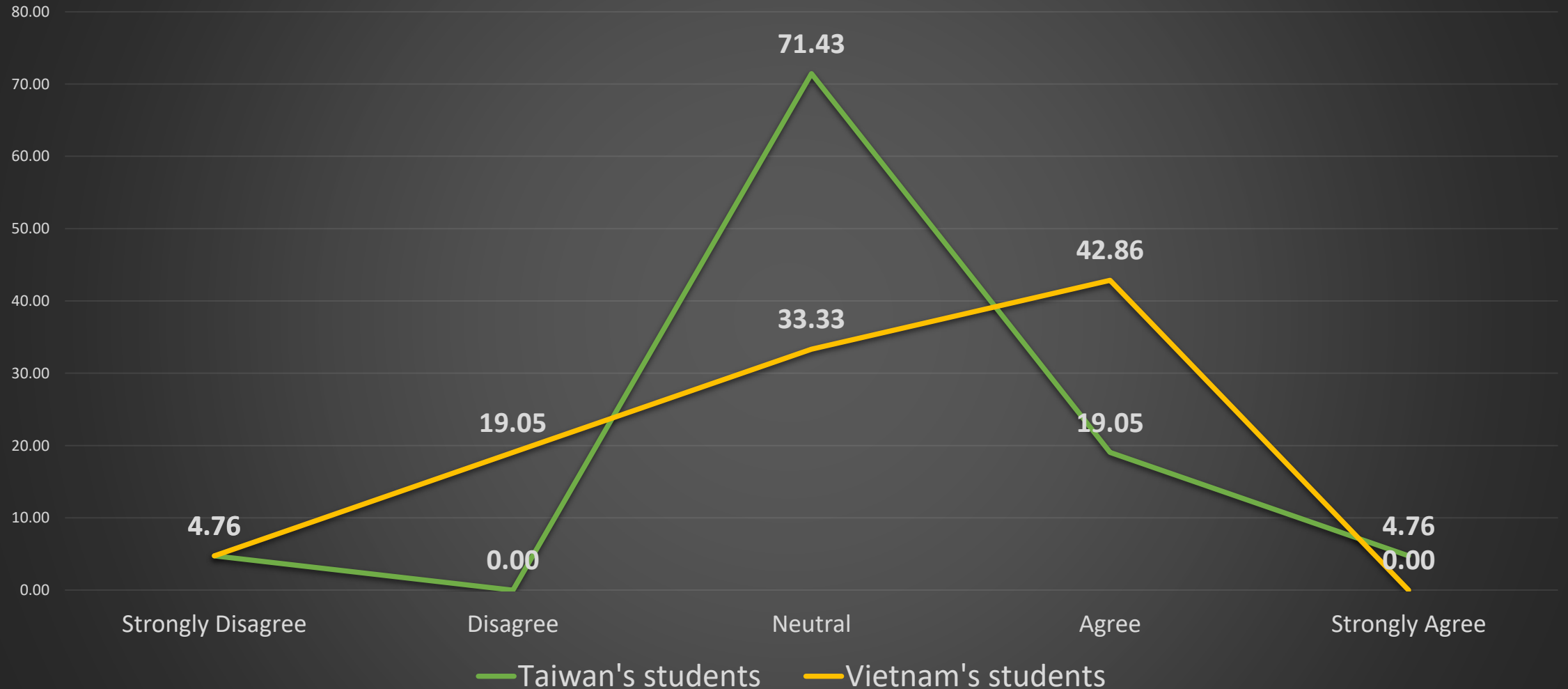
Sv4, Sv14

St5, St7, St8

Sv7, Sv16

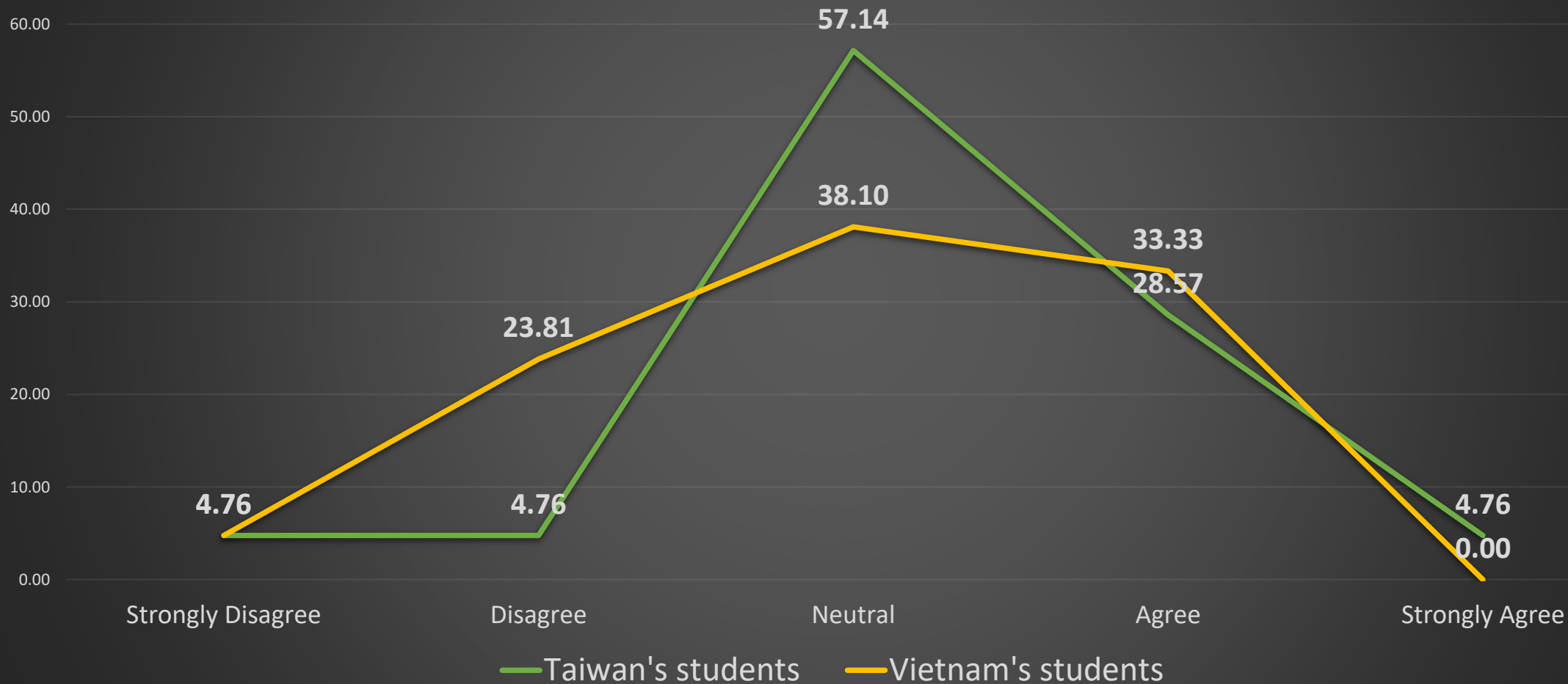


I think using online classes seems helpful in learning.





I think I have a positive attitude toward the use of online classes.





# Benefits

Sv2, Sv8, Sv15

St5, St8, Sv9



## Adoption Intention

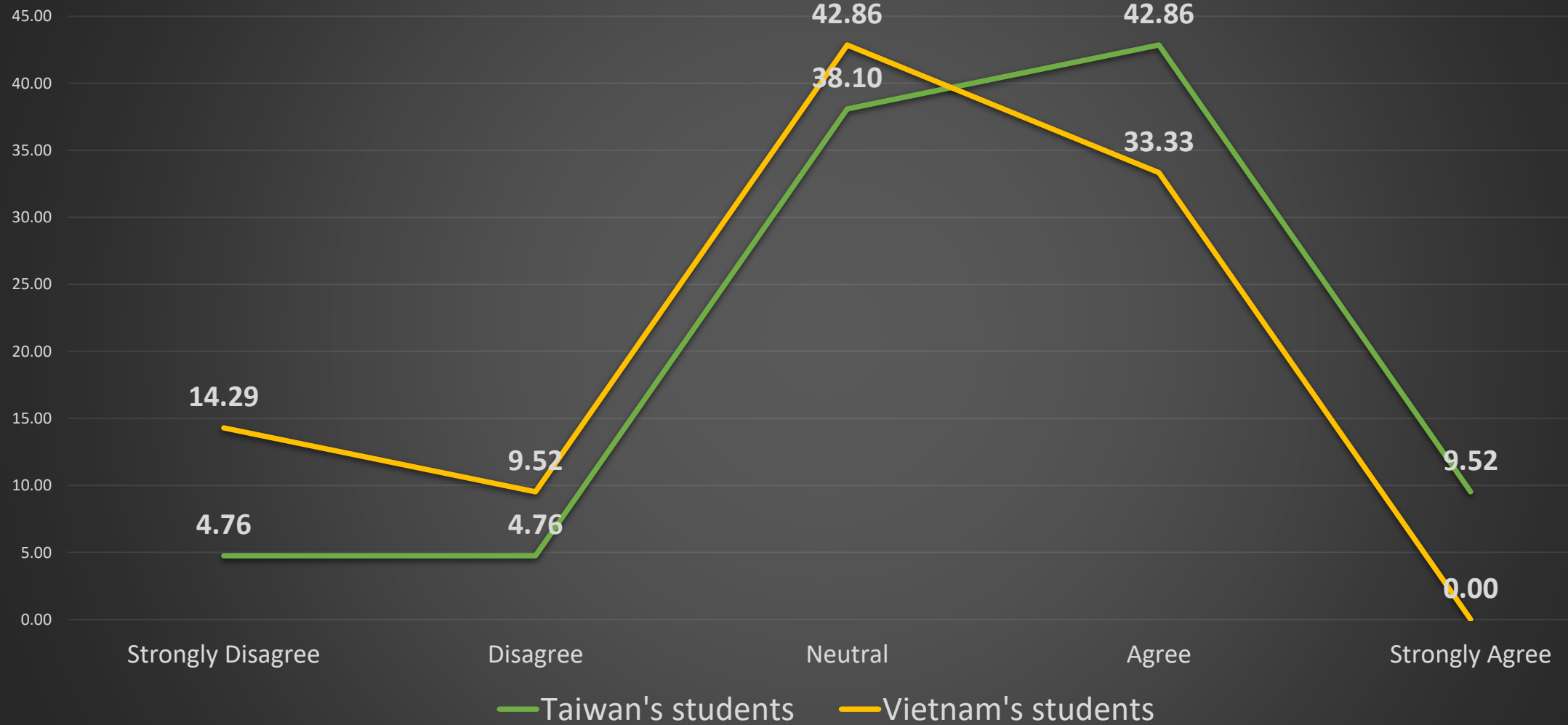


■ I will be willing to use online classes.

■ I will be happy to use online classes now and in the future.



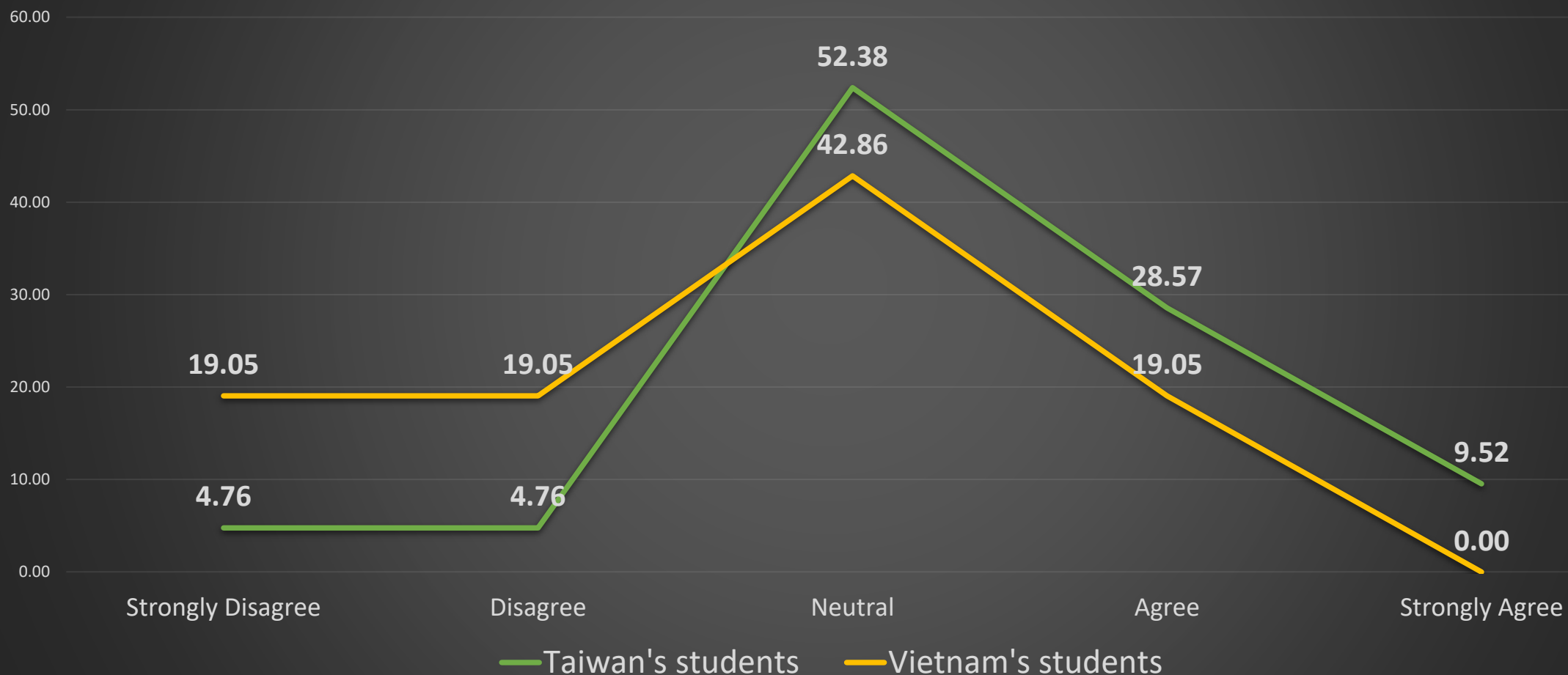
## I will be willing to use online classes.







I will be happy to use online classes now and in the future.





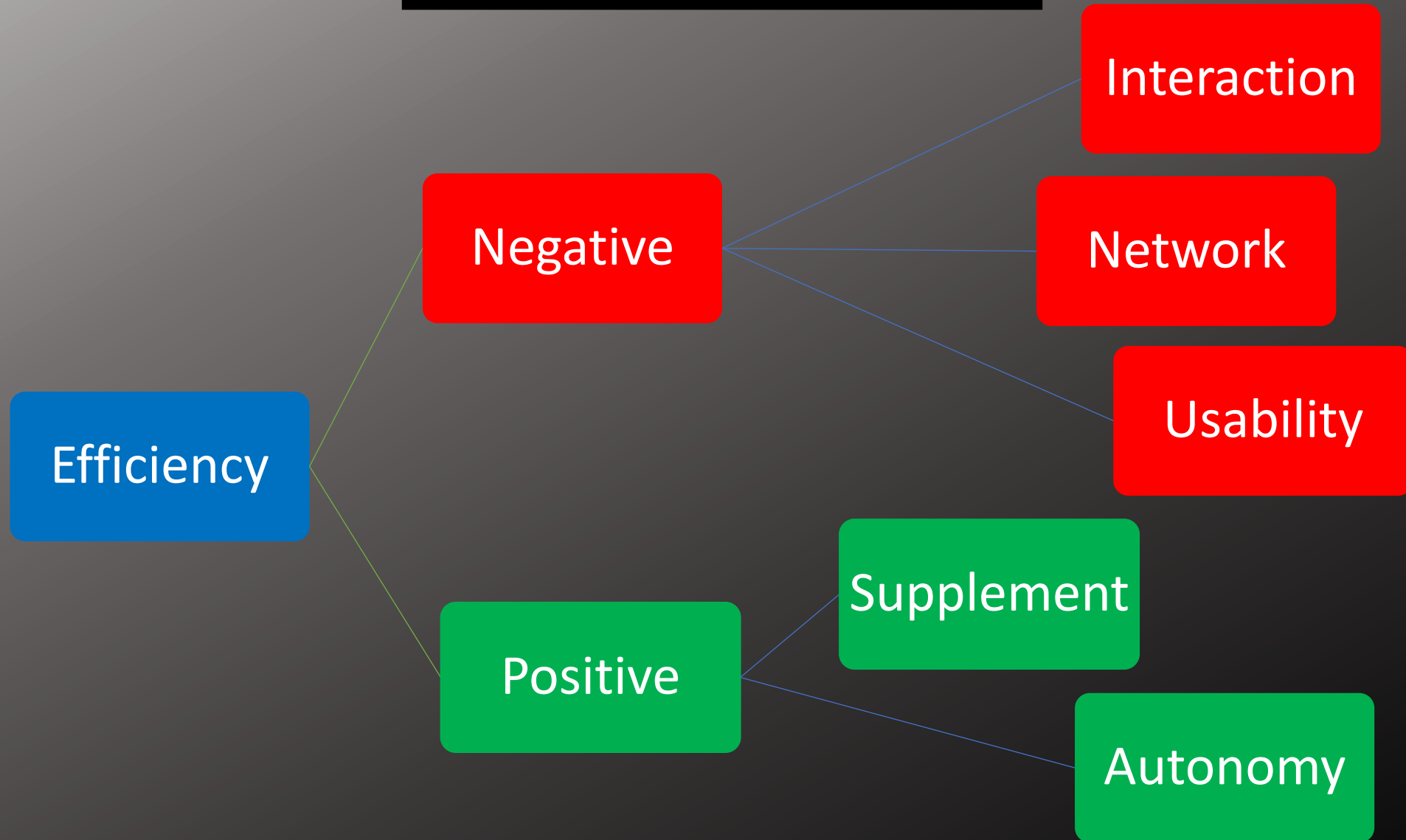
# Physical classes

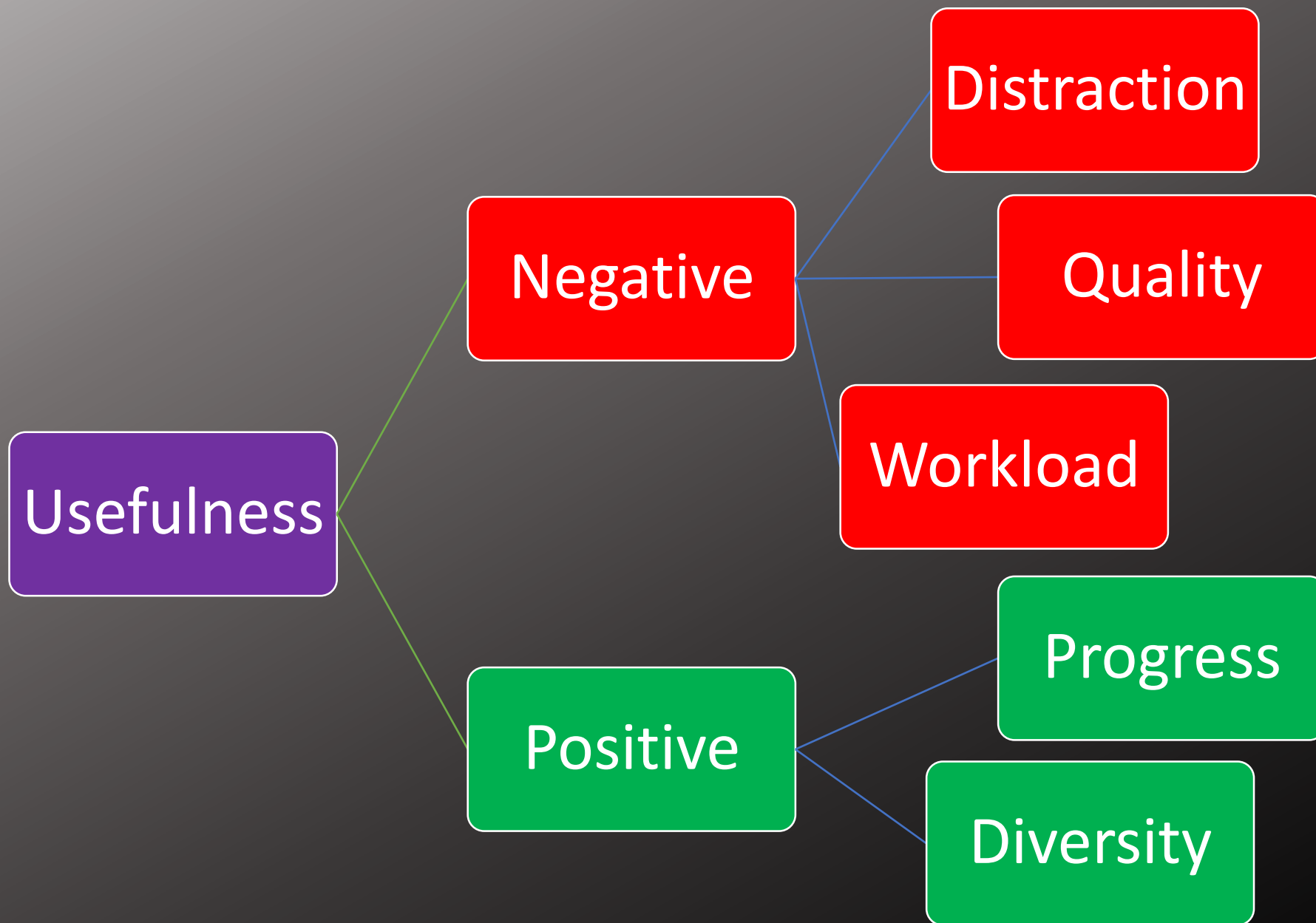
Sv2, Sv14, Sv16, Sv17,  
St2, St3, St5, St7, St9,  
St10, St11, St12

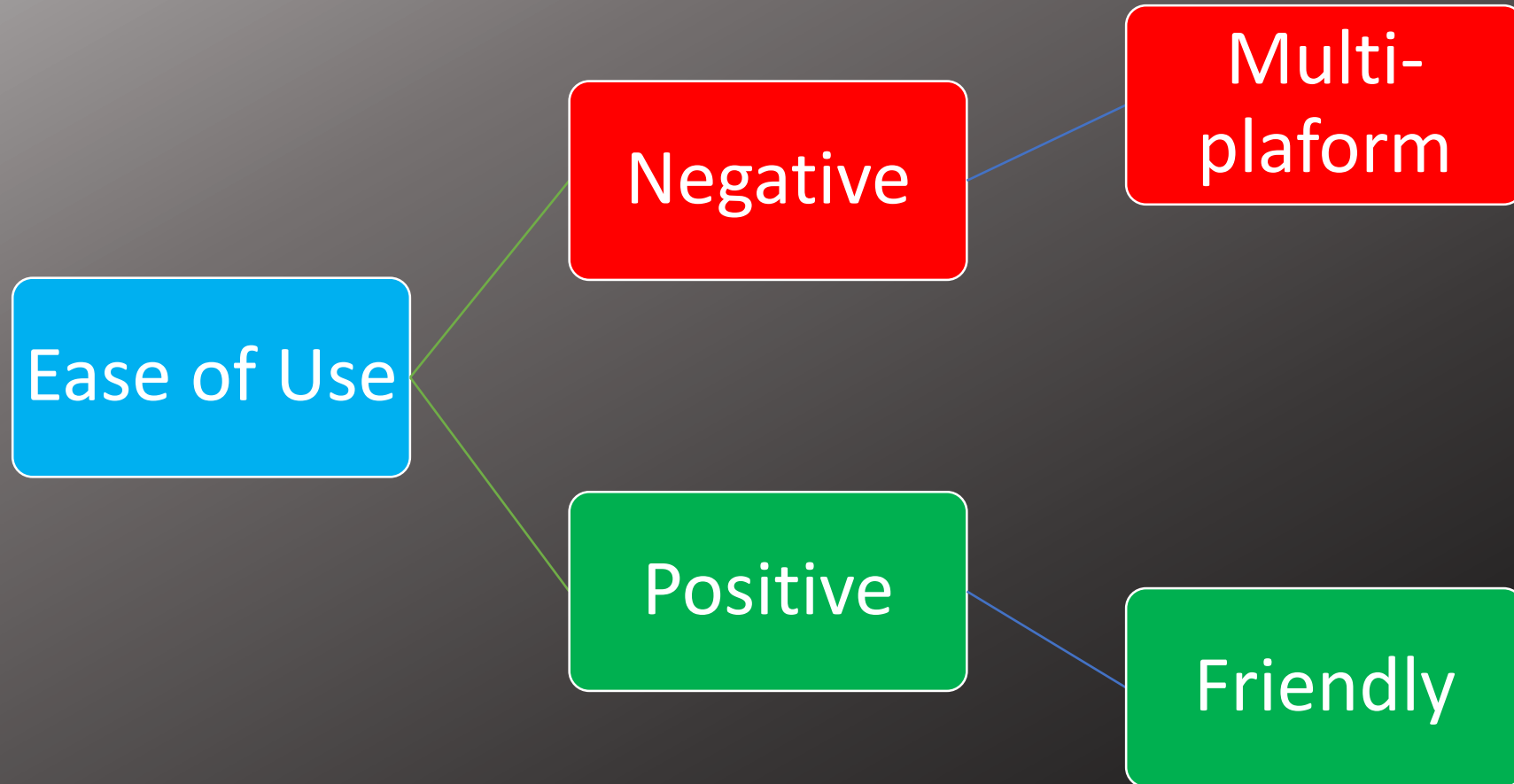
# Online classes

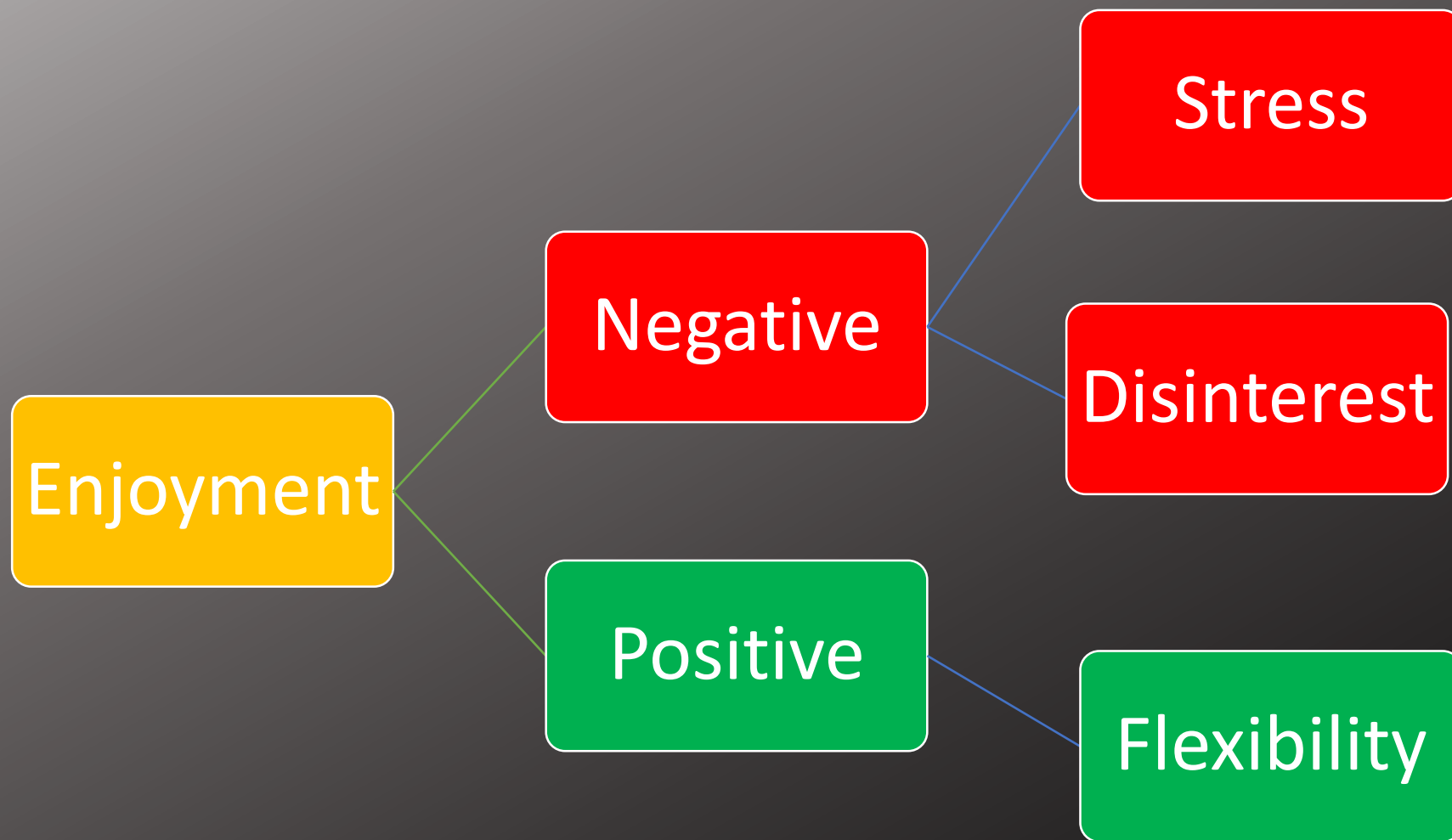
Sv4 Sv7, Sv15,  
St4, St8

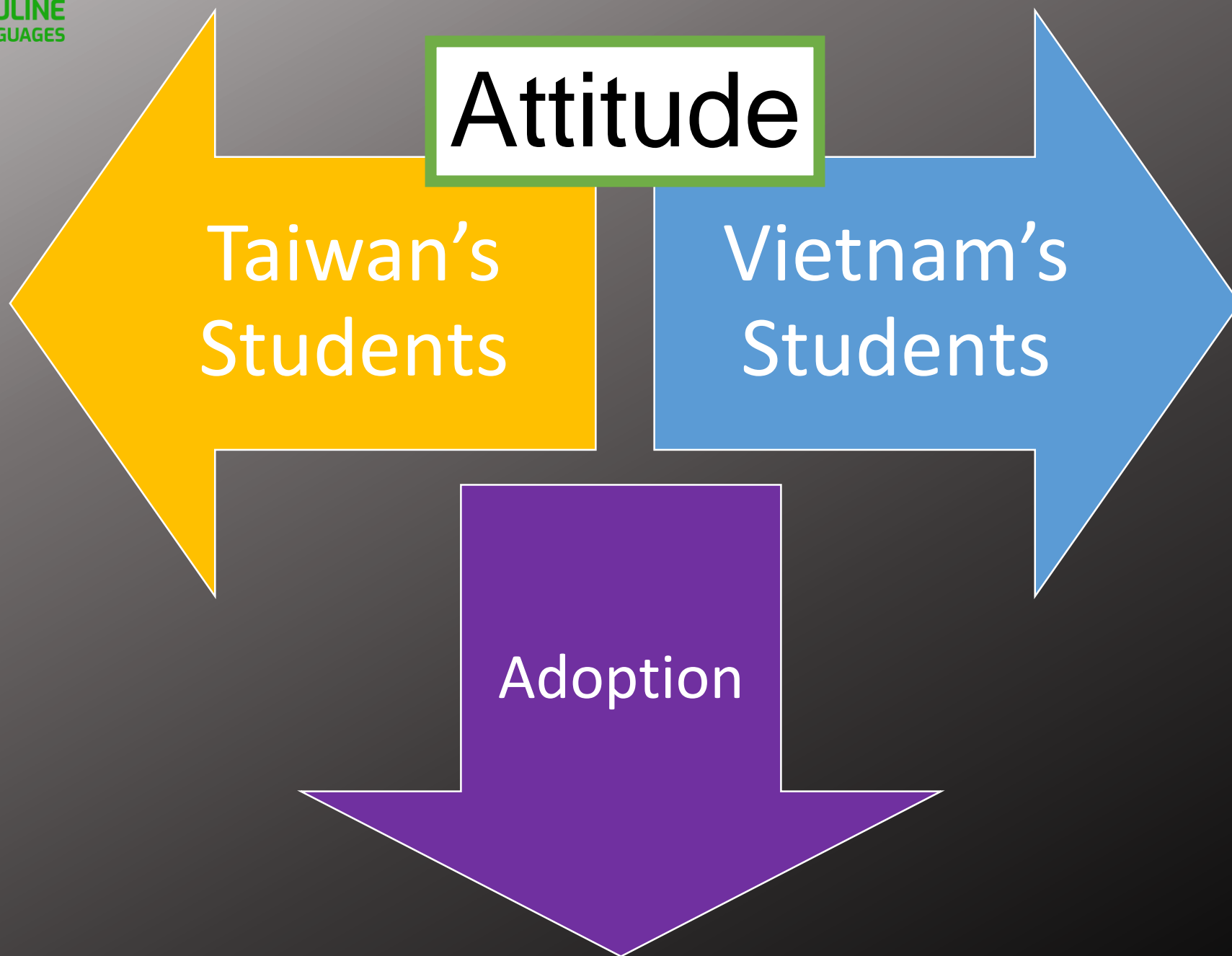
# Conclusion



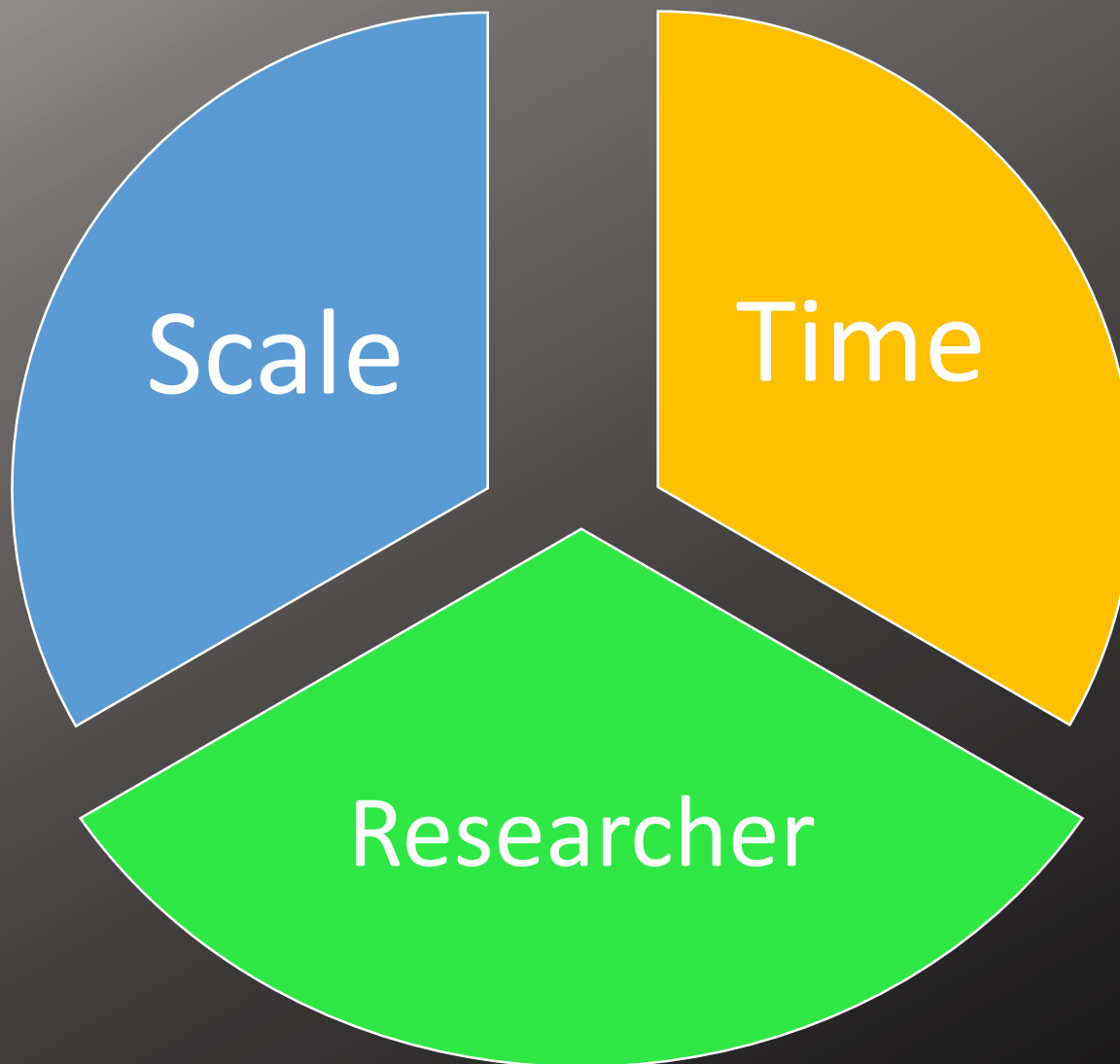








# Limitation & Future Study







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**Thank you for Listening!**