The Relationship Between Student Academic Anxiety, Motivation to Learn, Self-Efficacy, Social Media Self-Presentation, and Camera Usage In A Virtual College Course

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Introduction

Research Question

Are Academic Anxiety, Social Media Self-Presentation, Motivation to Learn, and Self-Efficacy predictors of Camera Usage in online synchronous college classes?

Variables

<u>Camera Usage-</u> roughly 90% of college students have their camera off for at least a segment of their online synchronous class (Castelli & Sarvary, 2021)

Academic Anxiety- feelings of apprehension

- about an academic task (Hooda & Saini, 2017)
 - High levels of anxiety negatively impact academic experiences (Cooper et al., 2018)

Motivation to Learn- degree to which a student is willing to put effort into learning to achieve desired learning outcomes (Saeed & Zyngier, 2012)

• Students with more motivation have higher academic achievement levels (Saeed & Zyngier, 2012)

Self-Efficacy- an individual's belief and confidence regarding their ability to succeed in each task (Prokes & Housel, 2021)

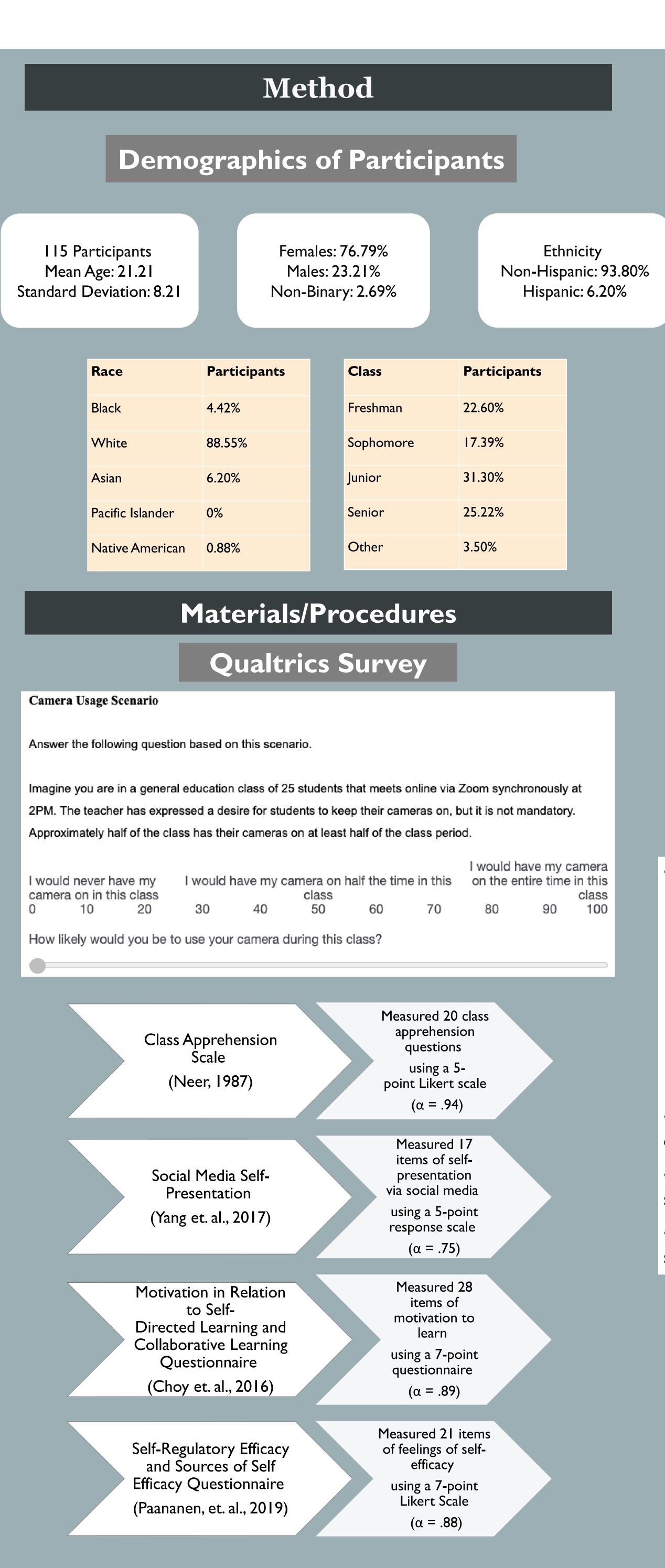
• Self-Efficacy is one of the greatest predictors of grade point average (Robbins et al., 2004)

Social Media Self-Presentation- process in which individuals choose to represent themselves on social media (Yang & Brown, 2015)

• Greater social media self-presentation correlates with a higher likelihood of sharing selfies (Shin et al., 2017).

Hypotheses

- Social Media Self-Presentation, Motivation to Learn, and Self-Efficacy would positively predict Camera Usage
- Academic Anxiety would negatively predict Camera Usage



Results

Table 1

Descriptive Statistics and Correlations for Camera Usage, Academic Anxiety, Motivation to Learn, and Self Presentation

	1.	2.	3.	4.	5.	ß
1. Camera Usage	-	-	-	-	-	
2. Academic Anxiety	46**	-	-	-	-	11.957
3. Self-Efficacy	.332**	31**	* <u>-</u>	-	-	4.706
4. Motivation to Learn	.326**	223*	•.513*	* _	-	.169
5. Self Presentation	.322**	222*	•.216*	.295**	· _	10.646
Mean	68.69	3.19	4.25	122.11	3.22	
SD	28.94	0.86	0.69	23.31	0.49	

* p < .05 ** p < .01

Significant Results

R^2 = .303, *F*(4, 110) = 11.94, *p* < .001

Discussion

Implications	Limita
 Both hypotheses were supported 	External Validity/
 Self-efficacy, motivation to learn, and social media self-presentation <i>positively correlated</i> meaning 	 Self-selection
higher scores on each of these scales are correlated with a <i>higher likelihood</i> of having camera	• WEIRD Gene
turned on	 Look for potentia
•Academic anxiety negatively correlated to camera usage meaning higher scores on this scale	 Type of class
are correlated to lower likelihood of using camera	Teachers' pres
 Academic anxiety was the most significant predictor 	
of student camera usage	Control for varia
	student's mental

•Self-presentation was another significant predictor of student camera usage

•Impacts how teachers plan their lessons in online synchronous class settings

// Generalization:

- & Housel, 2021)

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Self-Efficacy,							
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.001							
.238							
.154							
.037							
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tions an	d	utu	Ire				
Research							

n bias

eralization

tial moderating variables

(ex., math, social science, etc.)

esence/role

riables such as home life and student's mental health (Castelli & Sarvary, 2021; Prokes