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

# Amira Akam, Annie Del Zingaro, Lauren Johnson, Sydney Thompson and Lexi Vukmanic

## 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)

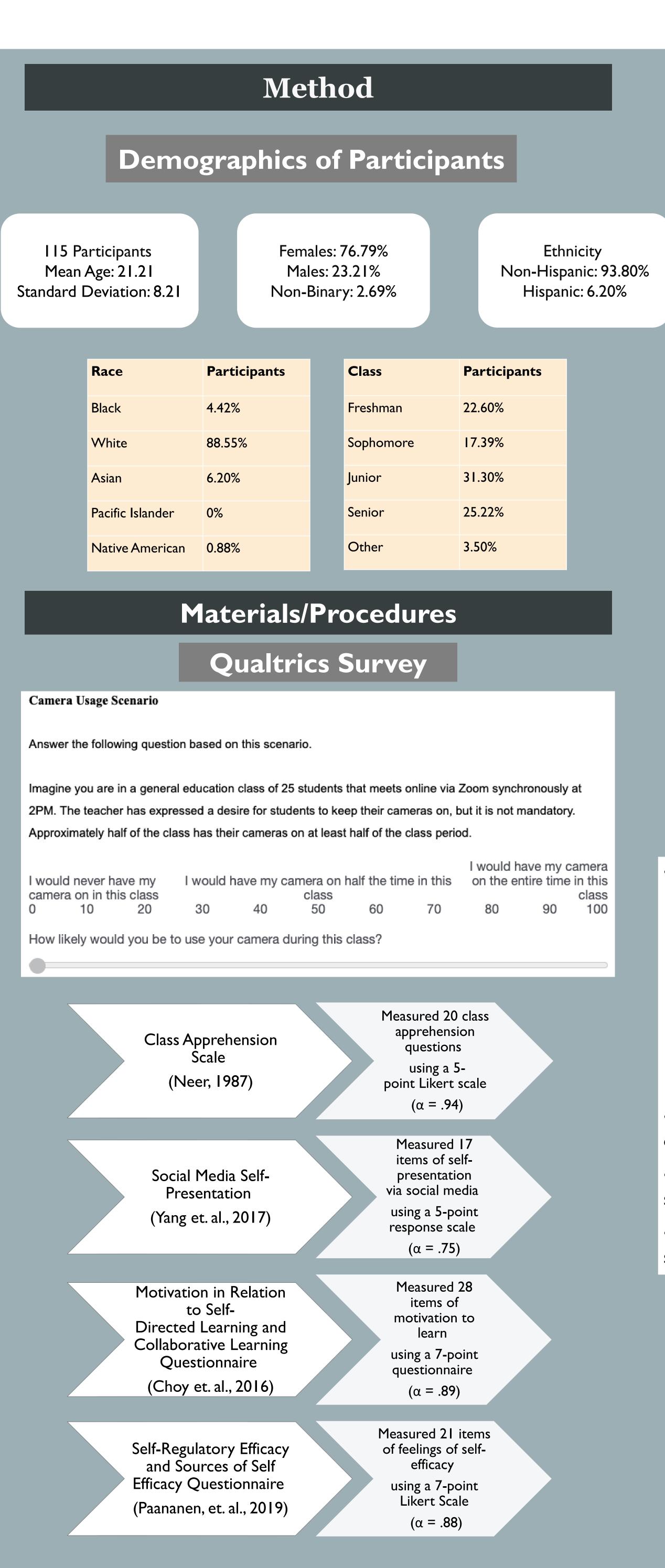
• Self-Efficacy is one of the greatest predictors of grade point average (Robbins et al., 2004)

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