

Introduction

Online and computer mediated pedagogy has been well researched over the last decade. The consensus has been that there is 'no significant difference' between traditional and online learning (Swan, 2003). Yet, online education remains one of the top concerns of faculty, specifically in higher education.

A main source of reluctance is due to the alternate skillsets required for effective online instruction. Mentoring, training, and ongoing professional development specific to required techniques and technology has been found to successfully address these concerns (Andrews Graham, 2019). However, since many educators regard online education as an inferior teaching medium, the prevalence of preparation cannot be assumed (Gurley, 2018; Swan, 2003).

Some research on emergency remote instruction reported more negative student reactions in comparison to remote instruction pre-pandemic. Research cited lack of choice, prior experience, and preparedness for both students and educators as contributing factors (Besser, et al., 2020). Especially for instructors without training in e-learning design, who faced the challenge of translating in-person course designs and teaching methods to an online platform without much notice or support (Guruaja, 2021).

This research inspects how educator attitudes may influence student receptiveness of digital learning environments. Such inquiry into student perceptions of the value that educators place upon digital course designs was recommended in research that suggests that platform experiences, good or bad, affect student learning outcomes (Paul et al., 2020).



Do students' perceptions of educator attitudes toward digital learning environments influence their acceptance of these platforms?

#### Hypotheses:

- Positive perceptions will correlate to higher student acceptance scores.
- The correlation between attitude and acceptance will be stronger for students with little previous online education experience.

# **COVID-19 Imposed Digital Learning Environment:** The Relationship Between Perceived Educator Attitude & **Student Acceptance** Melissa D. Almeida, B.A.

### **Participants**

- 113 recruited from CSUS & Amazon Mechanical Turk
- 205 total course evaluations
- 68% from CSUS
- 11% from other colleges
- 74.3% Women
- 12.4% Men
- 24 Novices no prior experience
- 21 Beginners few online courses
- 27 Intermediate several courses
- 26 Advanced many online courses taken prior to mandatory remote learning.



Scan to download appendices with full survey scales and participant instructions.

## Results

#### Relationship of Student Acceptance & Perceived Educator Attitude for Worst Course Scatter Plot of Acceptance Score by Ed. Attitude Score *r*(90) =.49, *p*<.001 CourseCategory: Worst Course Design 60.000 .49<sup>\*\*</sup> a moderate positive correlation 24% of variance due to relationship between variables \*\*.01 level 2-tailed Ed. Attitude Score

A Pearson's product moment test was used to produce a correlation coefficient for both course evaluation categories worst (top left), best (top right), and for all total evaluations including those from students with only a single course (bottom left). The correlation coefficient number can be thought of as the increment the student's acceptance rises for each additional point of the perceived educator attitude score. The r squared value, shown as a percentage, estimates how much of the variance is error and how much is due to the relationship between the variables.

The table (bottom right) shows correlation coefficients as grouped by previous online course experience. The correlations remain close in strength and do not significantly change as students gain more online course experience.

### Student Acceptance & Perceived Educator Attitude Across All Evaluations





Ed. Attitude Score

### Course Category Correlations By Previous Online Experience

	Novice	Beginner	Intermediate	Advanced
Student Acceptance & Educator Attitude	.57**	.58**	.48**	.52**
# of Evaluations (n)	45	41	51	50
**p<.01. two-tailed				

relationship

between

variables

\*\*.01 level 2-tailed

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