

Table. 3
Chi Squared Test of Confidence by Anxiety

| Anxiety | Confidence | |
|-------------|------------------------|-----------|
| | Did not feel confident | Confident |
| Not Anxious | 33 | 62 |
| Anxious | 106 | 200 |
| Chi Squared | 0.95084 | |

Note. $p < 0.5^*$, $p < 0.01^{**}$, $p < 0.001^{***}$

The dependent variable in this study is a student's self-assessment of their own ability to succeed in the online learning environment. The dependent variable was operationalized through a 1-10 scale response question, 1 being “not confident at all” and 10 being “extremely confident.” For the purposes of conducting the Chi Squared Test the dependent variable was re-coded into two categories: “Did not feel confident” and “Confident.” The independent variable in this study was student anxiety during the COVID-19 pandemic. The independent variable was student anxiety during the COVID-19 pandemic. The independent variable was operationalized through the question “Would you say that you have felt more anxious during the COVID-19 pandemic?” Participants answered on a scale that gave insight into students sources of anxiety. The possible responses consisted of “Yes, because I'm worried about health issues”, “ Yes, because I'm worried about my education”, “Yes, because of both health issues and educational changes”, “No”, “I'm not sure”, and “maybe.” For the purposes of the Chi Squared test the independent variable was re-coded into two categories: “Anxious” and “Not Anxious.” The results of the Chi Squared test showed that the Chi Squared value of 0.95084 is larger than the critical value therefore the null hypothesis is rejected and the research hypothesis is maintained that there is a significant difference between these categories.