Table 3:

*Chi-Squared Test of Participation in Similar Activities by the Improvement of the Child’s Relationship*

 Improved Relationship Yes No P-value

 Not at all 1 (8%) 4 (16%) 0.24

 Very much 11 (92%) 21 (84%

*Note: x2 =19.517, df= 16. Numbers in parenthesis indicate column percentages. p<.05\*, p<.01\*\*, p<.001\*\*\**

 In the results in table 3, it shows a nonparametric test of significance between the improvement of the child’s relationship with participation in similar activities. In order to get the results that I did, I recoded the two categorical variables using R-studio. In this, I mentioned that variable 3 equals 1 which signified respondents answering “yes”, where the other variable was recoded saying variable 3 equals 2 which signified respondents answering “no”. The coding of the improvement of the child’s relationship was, *on a scale from 0-10, how much did this activity help to improve you and your child’s/children’s relationship?* The participation in similar activities was coded as, *has your child/children ever participated in an activity similar to this one in the past?*

After completing a Chi-Squared test on the parent data, it was found that 1 respondent, which equivalated to 8%, participated in similar activities, but did not improve their relationship with their child. From the table, it was found that 4 respondents, which equivalated to 16%, have not participated in similar activities, as well as the activities not improving their relationship with their child. From the test, 11 respondents, which equivalated to 92%, had participated in similar activities along with the activities assigned improving their relationship with their child. It was also found that 21 respondents, which equivalated to 84%, had not previously participated in similar activities; however, it helped improve the relationship with their child. In relation to the p-value, it can be determined that there is no significant difference that participation in similar activities improves the relationship between the child and parent as our calculated p-value of 0.24 is >.05.