For the data set below I compared the following questions using ANOVA , “How long did it take you and your child/ children to complete the activity?”. The answers to this question ranged from a)0-10 minutes b)11-20 minutes c) 21-30 minutes d) longer than 30 minutes. The question this was compared to was , “ On a scale of 0-10, how much did this activity help to improve you and your child’s/ children’s relationship. The respondents then circled an answer that ranged from 0-10.

Table 1

|  |  |  |  |
| --- | --- | --- | --- |
|  | Mean | Standard Deviation | F-Value |
| Respondents who spent 0-10 minutes on activity  | 7.90 | 3.31 | 0.98 |
| Respondents who spent 11-20 minutes on activity | 7.73 | 3.07 |  |
| Respondents who spent 21-30 minutes on activity | 8.50 | 1.90 |  |
| Respondents who spent over 30 minutes on activity | 8.82 | 2.14 |  |

Note. p<0.05\*, p<.01\*\*, p<.001\*\*\*

 From the data set in table 1, we can see that the Null Hypothesis is retained as there is no significant difference between the means at the .001 level. This means that there is no statistical significant difference between the means of families who spend various amounts of time completing the activities and families who improved relationships.