For this ANOVA test, we measured the dependent variable, “On a scale of 1-10, how much did this activity help to improve you and your child’s/children’s relationship? (0=none at all, 10=very much)” and the independent variable, “How long did it take you and your child/children to complete the activity?” This survey was meant to measure parent involvement in children from ages 3-5 attending the Head Start Program in Cumberland, Prince Edward, and Nottoway County. Thus, these variables measured how much one activity, the animal dice activity, helped to improve the parent’s relationship with their child/children, in addition to how long it took the parent and child to complete the activity.

After conducting an ANOVA test, the results yielded that the p value was 0.3037, indicating no significant difference between the means of improvement and amount of time at the .05 level. In other words, there was no significant relationship between how long it took parents and children to complete the activity and how much they indicated the activity helped to improve their relationship with their child/children.

Table I

*ANOVA of Improvement of Relationship by Amount of Time Spent*

Duration of Completion Mean S.D. Sum of Squares Mean of Squares F-value

0-10 Minutes 8.40 2.07 6.497 6.4968 1.0862

11-20 Minutes 7.90 2.81

21-30 Minutes 7.50 3.14

More than 30 9.63 1.21

*Note:* *p=.3037, p<.05\*, p<.01\*\*, p<.001\*\*\**