Figure 2 – Means and standard deviations of total scores in the e-hunting task

The mastery condition had a mean total score (correct minus errors) of 62.09 (SD = 30.29), the performance-approach condition had a mean total score of 55.71 (SD = 29.04) and the performance-avoidance condition had a mean total score of 31.89 (SD = 26.04), supporting the research hypotheses, see Figure 2.

Preliminary analysis data screening was conducted to test the normality of the data. Levene’s test for Equality of Variances (1960) was conducted and it was found that the data was of equal variances, and therefore, normally distributed. As assumptions were met, a one-way between-samples ANOVA was conducted and it revealed that total scores differed significantly between the groups, $F(2,165) = 17.33, p < 0.01$. It was also found that correct scores also differed significantly between the groups, $F(2,165) = 18.040, p < 0.01$. However, the error scores did not differ significantly between the groups, $F(2,165) = 0.120, p > 0.05$. A Tukey HSD post-hoc test was conducted to compare the groups against each other and it found that the performance-avoidance condition differed significantly from the other groups in both total scores and correct scores. However, within the error scores, no group was significantly different from another.

Discussion