The current study examined self-objectification and hope in a sample of undergraduate men from a Midwestern university in the United States. Specifically, an online survey utilizing self-report measures examined the associations between body surveillance and body shame through the lenses of Objectification Theory and the Broaden and Build Theory of Positive Emotions.

Cole, B. P., Davidson, M., & Gervais, S. J. (2013). Body surveillance and body shame in college men: Are men who self-objectify less hopeful?. *Sex Roles*, 69, 29-41. doi:10.1007/s11199-013-0282-3

Data file:

* Body surveillance: participants were pre-screened on their body checking and grouped into none/very little, moderate, and extreme checking levels.
* Body shame: participants were given a questionnaire on their levels of body shame, where high levels indicate high shame. Scale is an average score that ranges from 0 to 10 points.

1. Run Levene’s test to determine if you’ve met the homogeneity assumption.
   1. Include homogeneity test output.
   2. Did you meet the homogeneity assumption?
   3. Why or why not?
2. Run the one-way ANOVA based on these results.
   1. Include the ANOVA summary table.
   2. Was the omnibus ANOVA test significant?
3. Include the following effect sizes:
   1. *R2*
   2. **ω***2*
4. Run a *t*-test post hoc test with a Bonferroni correction.
   1. Include the post hoc output and fill out the following table.

|  |  |  |  |
| --- | --- | --- | --- |
| Group 1 | Group 2 | *p* | *d* |
|  |  |  |  |
|  |  |  |  |

* 1. Which tests are significantly different?

1. Run a trend analysis.
   1. Include the trend analysis output.
   2. Is there a significant trend?
   3. Which type?

This question is unrelated to analysis above – this question is to practice your understanding of how summary tables work.

Fill in the following ANOVA table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **SS** | **df** | **MS** | **F** |
| Model | 12498.6 |  | 2083.1 |  |
| Residual | 8332.4 |  |  |  |
| Total |  | 80 |  |  |

For practice on these tables: https://people.richland.edu/james/ictcm/2004/anovagen.php