Meredith Klipple Assignment 4

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| Table 1. Rates of Suicide per 100,000 of Men and Women Aged 15-24 from 1999-2010 | | | |
| Variable | Mean | St.Dev | Sig. |
| Men | 13.85 | 8.1243 | 3.494e-11\*\*\* |
| Women | 3.771 | NA |  |
| Note: .001\*\*\*; .01\*\*; .05\* | | | |

This data set describes the rates of suicide per 100,000 people for men and women, ages 15-24, and five different race/ethnicities. Table 1 compares the rates of suicide between men and women using a t-test. A t-test was chosen because each sample of men and women was small (<30) and were approximately normally distributed. The outliers present are described the standard deviations listed. The results of the t-test show that the difference in rates of suicide between men and women are highly statistically significant. This aligns with recent research that states men complete suicide more than women, although women make more attempts (American Foundation for Suicide Prevention, 2013).

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| Table 2. Rates of Suicide per 100,000 of All Races Aged 15-24 from 1999-2010 | | | |
| Variable | Mean | St.Dev | Sig. |
| White | 10.183 | 7.005 |  |
| Black |  |  | 0.118 |
| Hispanic |  |  | 0.082 |
| Asian/Pacific Islander |  |  | 0.089 |
| American/Alaska Native |  |  | 0.001\*\*\* |
| Black | 6.058 | 5.21 |  |
| Hispanic |  |  | 0.999 |
| Asian/Pacific Islander |  |  | 0.999 |
| American/Alaska Native |  |  | <.001\*\*\* |
| Hispanic | 10.183 | 7.005 |  |
| Asian/Pacific Islander |  |  | 0.999 |
| American/Alaska Native |  |  | <.001\*\*\* |
| Asian/Pacific Islander | 6.058 | 5.21 |  |
| American/Alaska Native |  |  | <.001\*\*\* |
| American/Alaska Native | 6.058 | 5.21 |  |
| Note: .001\*\*\*; .01\*\*; .05\* | | | |

Table 2 compares the rates of suicide per 100,000 people between whites, blacks, Hispanics, Asian/Pacific Islanders, and American/Alaska Natives using an ANOVA test, followed by a Tukey test. An ANOVA test was chosen because multiple groups (greater than 2) were compared to analyze the central tendencies and variance of each group. The results of the ANOVA showed high standard deviations due to outliers and that there was significant difference somewhere within the five groups. A Tukey test was then used, based on the results of the ANOVA, to determine where the differences in mean were significant. Based on the results of the Tukey test, no significant differences were found between whites, blacks, Hispanics, or Asian/Pacific Islanders. However, there was high significant difference between American/Alaska Natives and each of the other four groups. This is supported by previous research that states American/Alaska Natives have higher rates of suicide compared to other race/ethnicities (Sue & Sue, 2008).

American Foundation for Suicide Prevention. (2013). *Suicide Facts and Figures.* Retrieved from

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