EDU Stats: Descriptive & Comparative: Assignment #6

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| Table 1. Political Affiliations and Sexual Orientation | | | | | |
|  | Democrat | Independent | Republican |  |  |
| Homosexual | 19 | 24 | 3 |  |  |
| Bisexual | 21 | 27 | 8 |  |  |
| Heterosexual | 540 | 721 | 365 |  |  |
| Note: Data pulled from General Social Survey, 2016 | | | | | |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Table 2. Gender and Sexual Orientation | | | | | |
|  | Democrat | Independent | Republican |  |  |
| Homosexual | 19 | 24 | 3 |  |  |
| Bisexual | 21 | 27 | 8 |  |  |
| Heterosexual | 540 | 721 | 365 |  |  |
| Note: Data pulled from General Social Survey, 2016 | | | | | |

Table 1 lists actual number of participants grouped by political affiliation and sexual orientation. Table 2 lists actual number of participants grouped by answers for gender and sexual orientation.

**Be sure to discuss the variables you are using (i.e. create a descriptive table with central tendency and variance indicators).**

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| Table 3. Desriptive Stats of Political Views, Gender, Sexual Orientation | | | | | |
|  | Total | Min | Max | Mean |  |
| Sex | 2867 | 1 | 2 | 1.55 |  |
| Male | 1276 |  |  |  |  |
| Female | 1591 |  |  |  |  |
| Political Views | 2834 | 1 | 3 | 1.855 |  |
| Democrat | 959 |  |  |  |  |
| Independent | 1241 |  |  |  |  |
| Republican | 634 |  |  |  |  |
| Orientation | 1743 | 1 | 3 | 2.95 |  |
| Homosexual | 46 |  |  |  |  |
| Bisexual | 56 |  |  |  |  |
| Heterosexual | 1641 |  |  |  |  |
| Note: Data pulled from General Social Survey, 2016 | | | | | |

Table 3 gives total of participants answering by sex, by political affiliation, or sexual orientation. Also listed, are the ranges of answers a participant may respond. The means show a few patterns. More females than males participated in this survey. The overall political affiliation leans towards democrat/independent with a mean of 1.855. Overall less participants identified as republican. Lastly, participants greatly identified as heterosexual over homosexual or bisexual. This demographic information may influence answers to questions aligned with political platforms and opinion questions.

**Run Correlation:**

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| Table 4. Correlational Statistics | | | | | |
|  | Sexual Orientation *(r)* | df | p-value |  |  |
| Gender | -0.0037 | 1741 | 0.0129 |  |  |
| Political Affiliation | 0.0598 | 1726 | 0.8768 |  |  |
| Note: Data pulled from General Social Survey, 2016 | | | | | |

According to Table 4, the data suggests an inverse relationship between gender and sexual orientation while suggesting a positive relationship between political affiliation and sexual orientation. However, these correlational relationships are weak. One limitation is the variance in number of homosexuals (2.7% of total sample) and bisexuals (3% of total sample) versus heterosexuals (94% of total sample) completing the survey. Due to parametric data, a Pearson correlation was conducted to conclude these results.