David J Schlosz Assignment 4 November 8, 2018

For the purposes of this assignment, I used the GSS dataset to look at the people’s opinions regarding whether homosexuals should be allowed to teach or not. I pulled data relating to sex, race, and whether the individual was “reborn” at some point in their life or not. I hypothesized that there would be a significant difference in opinion between people who had been “reborn” and people who had not.

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| **Table 1. Descriptive Statistics of Variables Predicting Impact of Religion on Population Opinions Regarding Homosexuals in Education** | | | | |
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|  |  |  |  |  |
| Variable | Mean | S.D. | Min. | Max. |
|  |  |  |  |  |
| *Not Reborn* |  |  |  |  |
| *Should Homosexuals be Allowed to Teach* |  |  |  |  |
| All | 4.07 | 0.255 | 4 | 5 |
| Men | 4.094 | 0.292 | 4 | 5 |
| Women | 4.106 | 0.308 | 4 | 5 |
| Black | 4.095 | 0.293 | 4 | 5 |
| White | 4.099 | 0.299 | 4 | 5 |
| Other | 4.081 | 0.272 | 4 | 5 |
|  |  |  |  |  |
| *Reborn* |  |  |  |  |
| *Should Homosexuals be Allowed to Teach* |  |  |  |  |
| All | 4.179 | 0.383 | 4 | 5 |
| Men | 4.144 | 0.351 | 4 | 5 |
| Women | 4.129 | 0.335 | 4 | 5 |
| Black | 4.173 | 0.378 | 4 | 5 |
| White | 4.118 | 0.322 | 4 | 5 |
| Other | 4.172 | 0.377 | 4 | 5 |
|  |  |  |  |  |

Table 1 above displays the means, standard deviations and p values for men, women, and various races regarding their opinions of whether homosexuals should be allowed to teach. (A “4” indicates a “yes” answer and a “5” indicates a “no” answer”.)

The data indicate no significant difference in the opinions of reborn blacks and reborn whites as to whether homosexuals should be allowed to teach. The data also indicate that being “reborn” had less influence on opinions regarding homosexuals teaching than race. One noticeable difference between the “reborn” population and the not reborn population is the differences in standard deviation. The standard deviations in the not “reborn” populations are all lower than .3 while the standard deviations in the reborn population are all over .3.

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| **Table 2. Descriptive Statistics of Variables indicating Race Opinions Regarding Homosexuals in Education** | | | | | |  |
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|  |  |  |  |  |  |  |
| Variable | Mean | S.D. | Min. | Max. | *p* |  |
|  |  |  |  |  |  |  |
| All | 4.118 | 0.32232 | 4 | 5 | 1.55E-12 | \*\* |
| Men | 4.12 | 0.32534 | 4 | 5 | 9.31E-02 |  |
| Women | 4.116 | 0.32002 | 4 | 5 | 0.06364 |  |
| Black | 4.184 | 0.38809 | 4 | 5 | 1.44E-07 | \*\* |
| White | 4.097 | 0.29636 | 4 | 5 | 0.0931 |  |
| Other | 4.162 | 0.29636 | 4 | 5 | 7.52E-10 | \*\* |
| *\* p < .05 \*\* p < .01* |  |  |  |  |  |  |

The data show a significant difference between white and nonwhite views on whether homosexuals should be allowed to teach. The data indicate a *p* value of 0.0000741 indicating a significant difference between white and black opinion. In addition the data also indicate a significant difference of opinion between white and other (not black) races with a p value of 0.0383. I used an ANOVA to test between races and then used a Tukey test to look at where the actual difference was. There is no significant difference between men and women in their view of whether homosexuals should teach (p-value = 0.7711).

In conclusion, it appears that having a “reborn” experience does not make a significant difference on a subject’s views regarding homosexuals teaching. Race, on the other hand, does appear to have a significant impact.