Assignment #5

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This data is looking at participants view on government spending regarding national health and how it varies by race and gender. Table 1 used national health data from the General Health Survey, 2016. The standard deviation is close enough to 1 meaning that the data shows a normal distribution.

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| **Table 1 - Descriptive variables of Health** | | | |  |  |
| Mean | Median | SD | Range | Min | Max |
| 0.5559 | 0 | 0.6861249 | 0 - 2 | 0 | 2 |
| Note: Data from General Social Survey 2016 | | | |  |  |

This data below shows the participant views on national health based on gender. Table 2 divides the participant views into three categories, too little, too much, and about right. 303 males reported they thought government spending was too little on national health whereas 299 females concurred with male views on government spending. 123 males reported they thought government spending was too much on national health whereas 237 females concurred with male view on government spending. Lastly, 50 males reported they thought government spending was the correct amount on national health whereas 70 females concurred with make views on national government spending.

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| **Table 2 - Views on National Health and Gender** | | | | | |
| Gender | Too Little | Too Much | | About Right | |
| Male | 303 | 123 | | 50 | |
| Female | 299 | 237 | | 70 | |
| Note: Data from General Social Survey 2016 | | |  | |  |

Data in Table 3 breaks down government spending on national health based on race. 391 Whites reported they thought government spending on national health was too little whereas 239 Whites believe that government spending was too much on national health and 77 Whites thought the government spends the right amount on national health. 125 Blacks reported that they thought the government spending on national health was too little whereas 75 Blacks believe the government spends too much on national health and 23 Blacks thought the government spends the right amount on national health. 125 Other races reported they thought the government spends too little on national health whereas 46 Other races reported they thought the government spends too much on national health and 20 Other races believe that the government spends the right amount of money on national health.

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| **Table 3 - Views on National Health and Race** | | | |
| Race | Too Little | Too Much | About Right |
| White | 391 | 239 | 77 |
| Black | 125 | 75 | 23 |
| Other Races | 86 | 46 | 20 |

Based on my data analysis, the p-value = 5.588e-06. Since it is less than 0.5 the data is statistically significant based on gender. 63.7% of males thought the government spends too little on national health. 25.8% of males thought the government spends too much on national health. 10.5% of males thought the government spends the right amount on national health. 49.3% of females thought the government spends too little on national health. 39.1% of females thought that the government spends too much on national health. 11.6% of females thought the government spends the right amount on national health.

50.3% of participants that thought the government spends too little on national health are males. 34.2% of participants that thought the government spends too much on national health are males. 41.7% of participants that thought the government spends the right amount on national health are males. 49.7% of participants that thought the government spends too little on national health are females. 65.8% of participants that thought the government spends too much on national health are females. 58.3% of participants that thought the government spends the right amount on national health are females.

28.2% of the sample are male who thought the government spends too little on national health. 11.4% of the sample are male who thought the government spends too much on national health. 4.6% of the sample are male who thought the government spends the right amount on national health. 27.6% of the sample are female who thought the government spends too little on national health. 21.9% of the sample are female who thought the government spends too much on national health. 6.5% of the sample are female who thought the government spends the right amount on national health.

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| **Table 4- Views on National Health and Gender** | | | |  |
| Gender | Too Little | Too Much | About Right | Row Total |
| Male | 303 | 123 | 50 | 476 |
|  | 0.637 | 0.258 | 0.105 | 0.44 |
|  | 0.503 | 0.342 | 0.417 |  |
|  | 0.282 | 0.114 | 0.046 |  |
| Female | 299 | 237 | 70 | 606 |
|  | 0.493 | 0.391 | 0.116 | 0.56 |
|  | 0.497 | 0.658 | 0.583 |  |
|  | 0.276 | 0.219 | 0.065 |  |
| Column Total | 602 | 360 | 120 | 1082 |
|  | 0.556 | 0.333 | 0.111 |  |

Based on my data analysis, the p-value =0.8681. Since it is greater than 0.5 the data is not statistically significant based on race. 33.8% of Whites thought the government spends too little on national health. 10.9% of Whites thought the government spends too much on national health. 65.3% of Whites thought the government spends the right amount on national health.

56.1% of Blacks thought the government spends too little on national health. 33.6% of Blacks thought the government spends too much on national health. 10.3% of Blacks thought the government spends the right amount on national health.

56.6% of Other races thought the government spends too little on national health. 30.3% of Other races thought the government spends too much on national health. 13.2% of Other races thought the government spends the right amount on national health.

65% of participants that thought the government spends too little on national health are Whites. 66.4% of participants that thought the government spends too much on national health are Whites. 66.2% of participants that thought the government spends the right amount on national health are Whites.

20.8% of participants that thought the government spends too little on national health are Blacks. 20.8% of participants that thought the government spends too much on national health are Blacks. 19.2% of participants that thought the government spends the right amount on national health are Blacks.

14.3% of participants that thought the government spends too little on national health are Other races. 12.8% of participants that thought the government spends too much on national health are Other races. 16.7% of participants that thought the government spends the right amount on national health are Other races.

36.1% of the sample are White who thought the government spends too little on national health. 22.1% of the sample are White who thought the government spends too much on national health. 7.1% of the sample are White who thought the government spends the right amount on national health.

11.6% of the sample are Blacks who thought the government spends too little on national health. 6.9% of the sample are Blacks who thought the government spends too much on national health. 2.1% of the sample are Blacks who thought the government spends the right amount on national health.

7.9% of the sample are Other races who thought the government spends too little on national health. 4.3% of the sample are Other races who thought the government spends too much on national health. 1.8% of the sample are Other races who thought the government spends the right amount on national health.

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| **Table 5- Views on National Health and Race** | | | |  |
| Race | Too Little | Too Much | About Right | Row Total |
| White | 391 | 239 | 77 | 707 |
|  | 0.553 | 0.338 | 0.109 | 0.653 |
|  | 0.65 | 0.664 | 0.642 |  |
|  | 0.361 | 0.221 | 0.071 |  |
| Black | 125 | 75 | 23 | 223 |
|  | 0.561 | 0.336 | 0.103 | 0.206 |
|  | 0.208 | 0.208 | 0.192 |  |
|  | 0.116 | 0.069 | 0.021 |  |
| Other | 86 | 46 | 20 | 152 |
|  | 0.566 | 0.303 | 0.132 | 0.14 |
|  | 0.143 | 0.128 | 0.167 |  |
|  | 0.079 | 0.043 | 0.018 |  |
| Column Total | 602 | 360 | 120 | 1082 |
|  | 0.556 | 0.333 | 0.111 |  |