Education Research Statistics Descriptive and Comparative

Assignment #5

Cheri Trahan Keene

The University of Texas at San Antonio

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In comparing data from the 2015 Mental Health Services Survey data set, variables needed to be combined to form continuous variables as most data were reported in binary form by answering ‘yes’ or ‘no’ to survey questions. Data were categorized and grouped by type. This allowed me to define three new variables: mental health services (MHSERVICES), other related services (ORSERVICES), and treatment modality (TXMOD). Data for whether or not a facility provides a sliding fee scale were combined to form a new variable (newFS) in which all responses which were not ‘yes,’ were assigned ‘no.’ Data was trimmed to include only those facilities surveyed in Texas.

Data analysis provided a mean value for each variable at all Texas facilities. The mean for mental health services was 10.58 indicating the average number of the identified services offered at treatment facilities in Texas. The standard deviation was 3.56 indicating a moderate variation in the grouping of responses around the mean score. The variance was 12.66 indicating a large variation in the type of response given as to the number of mental health services offered. (Table 1).

The mean for other related services was 5.30 indicating a lower average number of services that are not strictly related to mental health care at treatment facilities in Texas. The standard deviation was 5.00 indicating a moderate grouping of responses around the mean. The variance (10.09) indicated a wider range of responses to the survey questions related to other services. (Table 1).

The mean for treatment modality (types of therapeutic approaches) provided at mental health facilities in Texas was 3.94 indicating a limited range of treatment modalities at most facilities. This could be a result of facilities specializing in one therapeutic treatment approach rather than offering a broad range of modalities. The standard deviation was 1.44 indicating that most responses were close to the mean score. The variance was 2.09 indicating a small range of variation in responses to survey questions related to treatment modalities offered. (Table 1). Again, possibly indicating facilities may adhere to a specific treatment modality rather than offering a range of modalities.

In comparing the mean scores for the three variables for facilities with or without a sliding fee scale, some differences were noted. The mean scores for mental health services were 11.35 and 9.4 respectively indicating a slightly higher average number of services provided at facilities with a sliding fee scale than those without. The mean scores for other related services were 6.05 and 4.16 respectively indicating again, a slightly higher average number of services offered at facilities with a sliding fee scale as opposed to those without. The mean scores for treatment modality were 3.75 and 4.07 respectively indicating very little difference in the number of treatment modalities offered by mental health facilities in Texas with or without a sliding fee scale. (Tables 2 and 3).

Histogram analysis provided visual inspection of data indicating variable data met standards of normality. The ANOVA test provided information about the correlation between variables. The analysis indicated a high degree of significance for the overall correlation between fee scale and mental health services at the 0.001 level (Table 4). Fee scale and other related services had an overall correlation that was statistically significant at the 0.001 level (Table 6). Fee scale and treatment modality had a significance level of 0.05 indicating less correlation while still being statistically significant (Table 8).

A post-hoc analysis was conducted to determine the statistical significance of difference between items within the three variables. For mental health services, results showed significant correlation between legal advocacy and group therapy, legal advocacy and education services, and legal advocacy and acute mental health crisis team (Table 5). All other items did not show a statistically significant difference, supporting the strong correlation between the data elements. Post-hoc analysis of other related services indicated statistical significance for telemedicine and mental health case management, illness management and nicotine replacement therapy, intensive case management and primary care, primary care and nicotine replacement therapy, intensive case management and diet/exercise counseling, and diet/exercise counseling and nicotine replacement therapy (Table 7). All other items did not show a statistically significant difference supporting the strong correlation between data elements. Post-hoc analysis of treatment modality indicated no statistical difference between any data elements (Table 9).

Table 10 provides cross-tabulated data analysis for FEESCALE and MHSERVICES. Only factors related to emergency services will be discussed, although the table provides data for all factors, as these factors can impact life and death. When comparing mental health emergency related services, the table indicates fewer facilities offering a sliding fee scale offer acute crisis team services (3.6%) than do those without (11.6%). Facilities with no sliding fee scale offer more emergency services related to mental health (7.3%) than those with a sliding fee scale (4.2%) possibly indicating that low SES patients accessing facilities with sliding fee scale require more emergency services due to delaying access to care. Regarding suicide prevention services, 3.6% of facilities with sliding fee scale offered such services, while only 1.1% with no fee scale offered suicide prevention services. These differences could be limited by the level of care provided by the facility, a connection which could be the focus of future analyses.

Table 11 provides cross-tabulated data analysis of FEESCALE and ORSERVICES. Only factors related to general health care will be discussed as individuals with mental illness often experience a greater rate of physical illness than the general population (Walker, Cummings, Hockenberry, & Druss, 2015). Of the facilities offering a sliding fee scale, only 2.6% provided treatment for chronic illness, while 8.5% of those with no sliding fee scale offered the services. For facilities with no sliding fee scale, 14.3% provided primary health care, while 3.6% with a sliding fee scale offeres such services. Diet and exercise treatment were offered at 13.2% of facilities with no sliding fee scale while only 4.7% of facilities with a sliding fee scale offered nutritional and exercise counseling. These numbers indicate a greater focus on general health in facilities with no sliding fee scale although individuals with chronic mental illness experience chronic physical illness at greater rates than the general population (Walker, Cummings, Hockenberry, & Druss, 2015).

Table 12 provides cross-tabulation data analysis of FEESCALE and TXMOD. Factors related to specific aspects of care for those with serious mental illness or trauma related needs will be discussed. Dialectical behavior therapy (DBT) services (a treatment modality for those with chronic serious mental illness) were offered at only 8.5% of facilities with no sliding fee scale while 14.5% of facilities with sliding fee scale offered DBT treatment, indicating greater access to DBT treatment for low SES populations. Both sliding fee scale (28.5%) and non-sliding fee (27.5%) facilities offer trauma related services at approximately the same rate. Access to management of psychiatric medication was available at only a few facilities in Texas (2.1% with sliding fee, 4.1% without sliding fee). The lack of medication management services could indicate that these services are offered through primary care physicians or psychiatrists.

Overall, there was evidence to support that individuals served by facilities providing a sliding fee scale, have access to a more limited range of services. These differences could be accounted for by examining correlation between level of care (acute, in-patient, partial hospitalization, outpatient, etc.). Implications for mental health providers include awareness of limitations to mental health care access for lower SES clients, advocating for more accessible care, and working to increase the number of services provided at treatment facilities in Texas.

References

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Tables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 1 All Texas Facilities Surveyed | | | |  |  |
|  | Mean | Median | Range | sd | var |
| Mental Health Services | 10.58 | 10.00 | 18.00 | 3.56 | 12.66 |
| Other Related Services | 5.30 | 5.00 | 12.00 | 3.18 | 10.09 |
| TX Modality | 3.94 | 4.00 | 8.00 | 1.44 | 2.09 |
|  |  |  |  |  |  |
| data source: National Mental Health Services Survey 2015 | | | | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 2 Facilities with Sliding Fee Scale | | | |  |  |
|  | Mean | Median | Range | sd | var |
| Mental Health Services | 11.35 | 11.00 | 18.00 | 3.50 | 12.24 |
| Other Related Services | 6.05 | 6.00 | 12.00 | 2.94 | 8.60 |
| TX Modality | 3.75 | 4.00 | 6.00 | 1.45 | 2.10 |
|  |  |  |  |  |  |
| data source: National Mental Health Services Survey 2015 | | | | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 3 Facilities with No Sliding Fee Scale | | | |  |  |
|  | Mean | Median | Range | sd | var |
| Mental Health Services | 9.4 | 9.00 | 15.00 | 3.25 | 10.58 |
| Other Related Services | 4.16 | 4.00 | 11.00 | 3.08 | 9.49 |
| TX Modality | 4.07 | 4.00 | 7.00 | 1.40 | 1.95 |
|  |  |  |  |  |  |
| data source: National Mental Health Services Survey 2015 | | | | |  |

Table 4 ANOVA results FEESCALE~MHSERVICES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | df | Sum sq | Mean sq | F | P | significance |
|  | 18 | 13.11 | 0.7285 | 3.21 | 1.38E-05 | \*\*\* |
| Residuals | 363 | 82.38 | 0.2269 |  |  |  |
|  |  |  |  |  |  |  |
| note: for p values \*\*\* 0.001 \*\*0.01 \*0.05 | | | | |  |  |
| data source: National Mental Health Services Survey 2015 | | | | |  |  |

Table 5 TukeyHSD results FEESCALE~MHSERVICES

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | Diff | lwr | upr | p adj |
| 4-3 | 3.000000e-01 | -0.811096045 | 1.41109604 | 0.9999828 |
| 5-3 | 6.000000e-01 | -0.467506550 | 1.66750655 | 0.8890605 |
| 6-3 | 2.857143e-01 | -0.756065434 | 1.32749401 | 0.9999783 |
| 7-3 | 2.692308e-01 | -0.759951393 | 1.29841293 | 0.9999893 |
| 8-3 | 2.413793e-01 | -0.782281119 | 1.26503974 | 0.9999979 |
| 9-3 | 3.902439e-01 | -0.619274721 | 1.39976253 | 0.9975591 |
| 10-3 | 6.037736e-01 | -0.397922564 | 1.60546973 | 0.8159132 |
| 11-3 | 6.037736e-01 | -0.397922564 | 1.60546973 | 0.8159132 |
| 12-3 | 7.812500e-01 | -0.237901994 | 1.80040199 | 0.3967360 |
| 13-3 | 4.000000e-01 | -0.631309306 | 1.43130931 | 0.9974567 |
| 14-3 | 6.470588e-01 | -0.409930164 | 1.70404781 | 0.7960329 |
| 15-3 | 3.076923e-01 | -0.773413600 | 1.38879822 | 0.9999623 |
| 16-3 | 6.363636e-01 | -0.402452266 | 1.67517954 | 0.7951362 |
| 17-3 | 7.777778e-01 | -0.347472927 | 1.90302848 | 0.5981619 |
| 18-3 | 8.333333e-01 | -0.360175273 | 2.02684194 | 0.5790464 |
| 19-3 | 1.000000e+00 | -0.948991393 | 2.94899139 | 0.9484214 |
| 20-3 | 7.500000e-01 | -0.539136633 | 2.03913663 | 0.8562771 |
| 21-3 | 5.000000e-01 | -1.040812985 | 2.04081299 | 0.9997543 |
| 5-4 | 3.000000e-01 | -0.389072515 | 0.98907252 | 0.9901609 |
| 6-4 | -1.428571e-02 | -0.662788360 | 0.63421693 | 1.0000000 |
| 7-4 | -3.076923e-02 | -0.658835007 | 0.59729655 | 1.0000000 |
| 8-4 | -5.862069e-02 | -0.677596757 | 0.56035538 | 1.0000000 |
| 9-4 | 9.024390e-02 | -0.505053123 | 0.68554093 | 1.0000000 |
| 10-4 | 3.037736e-01 | -0.278159291 | 0.88570646 | 0.9398520 |
| 11-4 | 3.037736e-01 | -0.278159291 | 0.88570646 | 0.9398520 |
| 12-4 | 4.812500e-01 | -0.130241196 | 1.09274120 | 0.3467701 |
| 13-4 | 1.000000e-01 | -0.531545392 | 0.73154539 | 1.0000000 |
| 14-4 | 3.470588e-01 | -0.325604849 | 1.01972250 | 0.9457758 |
| 15-4 | 7.692308e-03 | -0.702265917 | 0.71765053 | 1.0000000 |
| 16-4 | 3.363636e-01 | -0.307367034 | 0.98009431 | 0.9393290 |
| 17-4 | 4.777778e-01 | -0.297747751 | 1.25330331 | 0.7875104 |
| 18-4 | 5.333333e-01 | -0.338282115 | 1.40494878 | 0.7966410 |
| 19-4 | 7.000000e-01 | -1.070259344 | 2.47025934 | 0.9967802 |
| 20-4 | 4.500000e-01 | -0.548560942 | 1.44856094 | 0.9856783 |
| 21-4 | 2.000000e-01 | -1.107423172 | 1.50742317 | 1.0000000 |
| 6-5 | -3.142857e-01 | -0.884891967 | 0.25632054 | 0.9054610 |
| 7-5 | -3.307692e-01 | -0.878037386 | 0.21649892 | 0.8125075 |
| 8-5 | -3.586207e-01 | -0.895432748 | 0.17819137 | 0.6602676 |
| 9-5 | -2.097561e-01 | -0.719083460 | 0.29957127 | 0.9947760 |
| 10-5 | 3.773585e-03 | -0.489867667 | 0.49741484 | 1.0000000 |
| 11-5 | 3.773585e-03 | -0.489867667 | 0.49741484 | 1.0000000 |
| 12-5 | 1.812500e-01 | -0.346914081 | 0.70941408 | 0.9994736 |
| 13-5 | -2.000000e-01 | -0.751258012 | 0.35125801 | 0.9989048 |
| 14-5 | 4.705882e-02 | -0.550864441 | 0.64498209 | 1.0000000 |
| 15-5 | -2.923077e-01 | -0.931898573 | 0.34728319 | 0.9833797 |
| 16-5 | 3.636364e-02 | -0.528813318 | 0.60154059 | 1.0000000 |
| 17-5 | 1.777778e-01 | -0.533893256 | 0.88944881 | 0.9999947 |
| 18-5 | 2.333333e-01 | -0.581988262 | 1.04865493 | 0.9999592 |
| 19-5 | 4.000000e-01 | -1.343230896 | 2.14323090 | 0.9999986 |
| 20-5 | 1.500000e-01 | -0.799820914 | 1.09982091 | 1.0000000 |
| 21-5 | -1.000000e-01 | -1.370586937 | 1.17058694 | 1.0000000 |
| 7-6 | -1.648352e-02 | -0.511697798 | 0.47873076 | 1.0000000 |
| 8-6 | -4.433498e-02 | -0.527969069 | 0.43929912 | 1.0000000 |
| 9-6 | 1.045296e-01 | -0.348404278 | 0.55746351 | 0.9999985 |
| 10-6 | 3.180593e-01 | -0.117160687 | 0.75327929 | 0.4903352 |
| 11-6 | 3.180593e-01 | -0.117160687 | 0.75327929 | 0.4903352 |
| 12-6 | 4.955357e-01 | 0.021518787 | 0.96955264 | 0.0295973 |
| 13-6 | 1.142857e-01 | -0.385334288 | 0.61390572 | 0.9999987 |
| 14-6 | 3.613445e-01 | -0.189334117 | 0.91202319 | 0.6911763 |
| 15-6 | 2.197802e-02 | -0.573682322 | 0.61763837 | 1.0000000 |
| 16-6 | 3.506494e-01 | -0.164287287 | 0.86558599 | 0.6258874 |
| 17-6 | 4.920635e-01 | -0.180402426 | 1.16452941 | 0.4878338 |
| 18-6 | 5.476190e-01 | -0.233715742 | 1.32895384 | 0.5717986 |
| 19-6 | 7.142857e-01 | -1.013310509 | 2.44188194 | 0.9945300 |
| 20-6 | 4.642857e-01 | -0.456526166 | 1.38509760 | 0.9560304 |
| 21-6 | 2.142857e-01 | -1.034764291 | 1.46333572 | 1.0000000 |
| 8-7 | -2.785146e-02 | -0.483716433 | 0.42801351 | 1.0000000 |
| 9-7 | 1.210131e-01 | -0.302141745 | 0.54416801 | 0.9999596 |
| 10-7 | 3.345428e-01 | -0.069595000 | 0.73868063 | 0.2576063 |
| 11-7 | 3.345428e-01 | -0.069595000 | 0.73868063 | 0.2576063 |
| 12-7 | 5.120192e-01 | 0.066370282 | 0.95766818 | 0.0079053 |
| 13-7 | 1.307692e-01 | -0.342021510 | 0.60355997 | 0.9999753 |
| 14-7 | 3.778281e-01 | -0.148629844 | 0.90428595 | 0.5259120 |
| 15-7 | 3.846154e-02 | -0.534881451 | 0.61180453 | 1.0000000 |
| 16-7 | 3.671329e-01 | -0.121815677 | 0.85608141 | 0.4370436 |
| 17-7 | 5.085470e-01 | -0.144232700 | 1.16132672 | 0.3658599 |
| 18-7 | 5.641026e-01 | -0.200354755 | 1.32855988 | 0.4712570 |
| 19-7 | 7.307692e-01 | -0.989259736 | 2.45079820 | 0.9925200 |
| 20-7 | 4.807692e-01 | -0.425765632 | 1.38730409 | 0.9309827 |
| 21-7 | 2.307692e-01 | -1.007793184 | 1.46933165 | 1.0000000 |
| 9-8 | 1.488646e-01 | -0.260677595 | 0.55840678 | 0.9988778 |
| 10-8 | 3.623943e-01 | -0.027467401 | 0.75225595 | 0.1049252 |
| 11-8 | 3.623943e-01 | -0.027467401 | 0.75225595 | 0.1049252 |
| 12-8 | 5.398707e-01 | 0.107126264 | 0.97261512 | 0.0019438 |
| 13-8 | 1.586207e-01 | -0.302026504 | 0.61926788 | 0.9994490 |
| 14-8 | 4.056795e-01 | -0.109900424 | 0.92125945 | 0.3471709 |
| 15-8 | 6.631300e-02 | -0.497058049 | 0.62968404 | 1.0000000 |
| 16-8 | 3.949843e-01 | -0.082232009 | 0.87220066 | 0.2578257 |
| 17-8 | 5.363985e-01 | -0.107640429 | 1.18043736 | 0.2476092 |
| 18-8 | 5.919540e-01 | -0.165053074 | 1.34896112 | 0.3588064 |
| 19-8 | 7.586207e-01 | -0.958110040 | 2.47535142 | 0.9884106 |
| 20-8 | 5.086207e-01 | -0.391640500 | 1.40888188 | 0.8845450 |
| 21-8 | 2.586207e-01 | -0.975357271 | 1.49259865 | 0.9999997 |
| 10-9 | 2.135297e-01 | -0.137524876 | 0.56458424 | 0.8044299 |
| 11-9 | 2.135297e-01 | -0.137524876 | 0.56458424 | 0.8044299 |
| 12-9 | 3.910061e-01 | -0.007133218 | 0.78914541 | 0.0608934 |
| 13-9 | 9.756098e-03 | -0.418546381 | 0.43805858 | 1.0000000 |
| 14-9 | 2.568149e-01 | -0.230083269 | 0.74371311 | 0.9341532 |
| 15-9 | -8.255159e-02 | -0.619798383 | 0.45469519 | 1.0000000 |
| 16-9 | 2.461197e-01 | -0.199954932 | 0.69219440 | 0.9041388 |
| 17-9 | 3.875339e-01 | -0.233781888 | 1.00884964 | 0.7702792 |
| 18-9 | 4.430894e-01 | -0.294682160 | 1.18086102 | 0.8203506 |
| 19-9 | 6.097561e-01 | -1.098579811 | 2.31809201 | 0.9991143 |
| 20-9 | 3.597561e-01 | -0.524391733 | 1.24390393 | 0.9954661 |
| 21-9 | 1.097561e-01 | -1.112515878 | 1.33202807 | 1.0000000 |
| 11-10 | 6.661338e-16 | -0.327882030 | 0.32788203 | 1.0000000 |
| 12-10 | 1.774764e-01 | -0.200388954 | 0.55534178 | 0.9779498 |
| 13-10 | -2.037736e-01 | -0.613298110 | 0.20575094 | 0.9611494 |
| 14-10 | 4.328524e-02 | -0.427179607 | 0.51375008 | 1.0000000 |
| 15-10 | -2.960813e-01 | -0.818480966 | 0.22631841 | 0.8816957 |
| 16-10 | 3.259005e-02 | -0.395486963 | 0.46066707 | 1.0000000 |
| 17-10 | 1.740042e-01 | -0.434519102 | 0.78252749 | 0.9999597 |
| 18-10 | 2.295597e-01 | -0.497471368 | 0.95659086 | 0.9998322 |
| 19-10 | 3.962264e-01 | -1.307498592 | 2.09995142 | 0.9999983 |
| 20-10 | 1.462264e-01 | -0.728979109 | 1.02143194 | 1.0000000 |
| 21-10 | -1.037736e-01 | -1.319592694 | 1.11204552 | 1.0000000 |
| 12-11 | 1.774764e-01 | -0.200388954 | 0.55534178 | 0.9779498 |
| 13-11 | -2.037736e-01 | -0.613298110 | 0.20575094 | 0.9611494 |
| 14-11 | 4.328524e-02 | -0.427179607 | 0.51375008 | 1.0000000 |
| 15-11 | -2.960813e-01 | -0.818480966 | 0.22631841 | 0.8816957 |
| 16-11 | 3.259005e-02 | -0.395486963 | 0.46066707 | 1.0000000 |
| 17-11 | 1.740042e-01 | -0.434519102 | 0.78252749 | 0.9999597 |
| 18-11 | 2.295597e-01 | -0.497471368 | 0.95659086 | 0.9998322 |
| 19-11 | 3.962264e-01 | -1.307498592 | 2.09995142 | 0.9999983 |
| 20-11 | 1.462264e-01 | -0.728979109 | 1.02143194 | 1.0000000 |
| 21-11 | -1.037736e-01 | -1.319592694 | 1.11204552 | 1.0000000 |
| 13-12 | -3.812500e-01 | -0.831789619 | 0.06928962 | 0.2225295 |
| 14-12 | -1.341912e-01 | -0.640760799 | 0.37237845 | 0.9999871 |
| 15-12 | -4.735577e-01 | -1.028694654 | 0.08157927 | 0.2103588 |
| 16-12 | -1.448864e-01 | -0.612353520 | 0.32258079 | 0.9998709 |
| 17-12 | -3.472222e-03 | -0.640320879 | 0.63337643 | 1.0000000 |
| 18-12 | 5.208333e-02 | -0.698816031 | 0.80298270 | 1.0000000 |
| 19-12 | 2.187500e-01 | -1.495296239 | 1.93279624 | 1.0000000 |
| 20-12 | -3.125000e-02 | -0.926381455 | 0.86388145 | 1.0000000 |
| 21-12 | -2.812500e-01 | -1.511490512 | 0.94899051 | 0.9999987 |
| 14-13 | 2.470588e-01 | -0.283545437 | 0.77766308 | 0.9798259 |
| 15-13 | -9.230769e-02 | -0.669460311 | 0.48484493 | 1.0000000 |
| 16-13 | 2.363636e-01 | -0.257046579 | 0.72977385 | 0.9731105 |
| 17-13 | 3.777778e-01 | -0.278350495 | 1.03390605 | 0.8668206 |
| 18-13 | 4.333333e-01 | -0.333985345 | 1.20065201 | 0.8849104 |
| 19-13 | 6.000000e-01 | -1.121302591 | 2.32130259 | 0.9993517 |
| 20-13 | 3.500000e-01 | -0.558949074 | 1.25894907 | 0.9976739 |
| 21-13 | 1.000000e-01 | -1.140330527 | 1.34033053 | 1.0000000 |
| 15-14 | -3.393665e-01 | -0.961244301 | 0.28251127 | 0.9123071 |
| 16-14 | -1.069519e-02 | -0.555746080 | 0.53435571 | 1.0000000 |
| 17-14 | 1.307190e-01 | -0.565076379 | 0.82651429 | 0.9999999 |
| 18-14 | 1.862745e-01 | -0.615227074 | 0.98777609 | 0.9999983 |
| 19-14 | 3.529412e-01 | -1.383868958 | 2.08975131 | 0.9999998 |
| 20-14 | 1.029412e-01 | -0.835043501 | 1.04092585 | 1.0000000 |
| 21-14 | -1.470588e-01 | -1.408822134 | 1.11470449 | 1.0000000 |
| 16-15 | 3.286713e-01 | -0.261790135 | 0.91913279 | 0.8971662 |
| 17-15 | 4.700855e-01 | -0.261826690 | 1.20199763 | 0.7261769 |
| 18-15 | 5.256410e-01 | -0.307407024 | 1.35868908 | 0.7534072 |
| 19-15 | 6.923077e-01 | -1.059284072 | 2.44389946 | 0.9967977 |
| 20-15 | 4.423077e-01 | -0.522772366 | 1.40738775 | 0.9828810 |
| 21-15 | 1.923077e-01 | -1.089726205 | 1.47434159 | 1.0000000 |
| 17-16 | 1.414141e-01 | -0.526451043 | 0.80927933 | 0.9999996 |
| 18-16 | 1.969697e-01 | -0.580408942 | 0.97434834 | 0.9999935 |
| 19-16 | 3.636364e-01 | -1.362174230 | 2.08944696 | 0.9999996 |
| 20-16 | 1.136364e-01 | -0.803821000 | 1.03109373 | 1.0000000 |
| 21-16 | -1.363636e-01 | -1.382942720 | 1.11021545 | 1.0000000 |
| 18-17 | 5.555556e-02 | -0.834033236 | 0.94514435 | 1.0000000 |
| 19-17 | 2.222222e-01 | -1.556955361 | 2.00139981 | 1.0000000 |
| 20-17 | -2.777778e-02 | -1.042065057 | 0.98650950 | 1.0000000 |
| 21-17 | -2.777778e-01 | -1.597251188 | 1.04169563 | 0.9999996 |
| 19-18 | 1.666667e-01 | -1.656447843 | 1.98978118 | 1.0000000 |
| 20-18 | -8.333333e-02 | -1.172852644 | 1.00618598 | 1.0000000 |
| 21-18 | -3.333333e-01 | -1.711478363 | 1.04481170 | 0.9999968 |
| 20-19 | -2.500000e-01 | -2.137102801 | 1.63710280 | 1.0000000 |
| 21-19 | -5.000000e-01 | -2.567217545 | 1.56721755 | 0.9999968 |
| 21-20 | -2.500000e-01 | -1.711743544 | 1.21174354 | 1.0000000 |
|  |  |  |  |  |
| data source: National Mental Health Services Survey 2015 | | | |  |

Table 6 ANOVA results for FEESCALE~ORSERVICES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | df | Sum sq | Mean sq | F | P | significance |
|  | 12 | 11.81 | 0.984 | 4.339 | 1.81E-06 | \*\*\* |
| Residuals | 369 | 83.68 | 0.2268 |  |  |  |
|  |  |  |  |  |  |  |
| note: for p values \*\*\* 0.001 \*\*0.01 \*0.05 | | | | |  |  |
| data source: National Mental Health Services Survey 2015 | | | | |  |  |

Table 7 TukeyHSD results FEESCALE~ORSERVICES

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | diff | lwr | upr | p adj |
| 1-0 | -0.032212885 | -0.47296298 | 0.4085372 | 1.0000000 |
| 2-0 | 0.026610644 | -0.41413945 | 0.4673607 | 1.0000000 |
| 3-0 | 0.317460317 | -0.11859010 | 0.7535107 | 0.4267853 |
| 4-0 | 0.311904762 | -0.11603777 | 0.7398473 | 0.4249001 |
| 5-0 | 0.444831591 | 0.01868949 | 0.8709737 | 0.0316451 |
| 6-0 | 0.293154762 | -0.15282328 | 0.7391328 | 0.5977037 |
| 7-0 | 0.324404762 | -0.12157328 | 0.7703828 | 0.4282626 |
| 8-0 | 0.288220551 | -0.14358154 | 0.7200226 | 0.5728873 |
| 9-0 | 0.261904762 | -0.18407328 | 0.7078828 | 0.7591650 |
| 10-0 | 0.613756614 | 0.15170630 | 1.0758069 | 0.0008854 |
| 11-0 | 0.136904762 | -0.52288343 | 0.7966930 | 0.9999720 |
| 12-0 | 0.476190476 | -0.21688499 | 1.1692659 | 0.5249173 |
| 2-1 | 0.058823529 | -0.32633163 | 0.4439787 | 0.9999991 |
| 3-1 | 0.349673203 | -0.03009490 | 0.7294413 | 0.1062100 |
| 4-1 | 0.344117647 | -0.02631272 | 0.7145480 | 0.0986821 |
| 5-1 | 0.477044476 | 0.10869554 | 0.8453934 | 0.0014132 |
| 6-1 | 0.325367647 | -0.06575926 | 0.7164946 | 0.2190202 |
| 7-1 | 0.356617647 | -0.03450926 | 0.7477446 | 0.1149613 |
| 8-1 | 0.320433437 | -0.05444907 | 0.6953159 | 0.1841476 |
| 9-1 | 0.294117647 | -0.09700926 | 0.6852446 | 0.3725554 |
| 10-1 | 0.645969499 | 0.23661105 | 1.0553279 | 0.0000184 |
| 11-1 | 0.169117647 | -0.45490503 | 0.7931403 | 0.9995309 |
| 12-1 | 0.508403361 | -0.15071533 | 1.1675221 | 0.3311275 |
| 3-2 | 0.290849673 | -0.08891843 | 0.6706178 | 0.3425999 |
| 4-2 | 0.285294118 | -0.08513625 | 0.6557245 | 0.3335588 |
| 5-2 | 0.418220947 | 0.04987201 | 0.7865699 | 0.0111774 |
| 6-2 | 0.266544118 | -0.12458279 | 0.6576710 | 0.5385956 |
| 7-2 | 0.297794118 | -0.09333279 | 0.6889210 | 0.3521454 |
| 8-2 | 0.261609907 | -0.11327260 | 0.6364924 | 0.4986729 |
| 9-2 | 0.235294118 | -0.15583279 | 0.6264210 | 0.7283669 |
| 10-2 | 0.587145969 | 0.17778752 | 0.9965044 | 0.0001844 |
| 11-2 | 0.110294118 | -0.51372856 | 0.7343168 | 0.9999953 |
| 12-2 | 0.449579832 | -0.20953886 | 1.1086985 | 0.5370897 |
| 4-3 | -0.005555556 | -0.37038151 | 0.3592704 | 1.0000000 |
| 5-3 | 0.127371274 | -0.23534109 | 0.4900836 | 0.9942912 |
| 6-3 | -0.024305556 | -0.41012881 | 0.3615177 | 1.0000000 |
| 7-3 | 0.006944444 | -0.37887881 | 0.3927677 | 1.0000000 |
| 8-3 | -0.029239766 | -0.39858542 | 0.3401059 | 1.0000000 |
| 9-3 | -0.055555556 | -0.44137881 | 0.3302677 | 0.9999995 |
| 10-3 | 0.296296296 | -0.10799773 | 0.7005903 | 0.4155920 |
| 11-3 | -0.180555556 | -0.80126774 | 0.4401566 | 0.9990454 |
| 12-3 | 0.158730159 | -0.49725518 | 0.8147155 | 0.9998548 |
| 5-4 | 0.132926829 | -0.21999682 | 0.4858505 | 0.9893884 |
| 6-4 | -0.018750000 | -0.39538566 | 0.3578857 | 1.0000000 |
| 7-4 | 0.012500000 | -0.36413566 | 0.3891357 | 1.0000000 |
| 8-4 | -0.023684211 | -0.38342169 | 0.3360533 | 1.0000000 |
| 9-4 | -0.050000000 | -0.42663566 | 0.3266357 | 0.9999998 |
| 10-4 | 0.301851852 | -0.09368386 | 0.6973876 | 0.3483592 |
| 11-4 | -0.175000000 | -0.79004346 | 0.4400435 | 0.9992337 |
| 12-4 | 0.164285714 | -0.48633830 | 0.8149097 | 0.9997733 |
| 6-5 | -0.151676829 | -0.52626555 | 0.2229119 | 0.9804715 |
| 7-5 | -0.120426829 | -0.49501555 | 0.2541619 | 0.9974810 |
| 8-5 | -0.156611040 | -0.51420485 | 0.2009828 | 0.9636258 |
| 9-5 | -0.182926829 | -0.55751555 | 0.1916619 | 0.9200399 |
| 10-5 | 0.168925023 | -0.22466205 | 0.5625121 | 0.9688846 |
| 11-5 | -0.307926829 | -0.92171893 | 0.3058653 | 0.9042600 |
| 12-5 | 0.031358885 | -0.61808233 | 0.6808001 | 1.0000000 |
| 7-6 | 0.031250000 | -0.36575885 | 0.4282588 | 1.0000000 |
| 8-6 | -0.004934211 | -0.38594951 | 0.3760811 | 1.0000000 |
| 9-6 | -0.031250000 | -0.42825885 | 0.3657588 | 1.0000000 |
| 10-6 | 0.320601852 | -0.09438020 | 0.7355839 | 0.3285791 |
| 11-6 | -0.156250000 | -0.78397611 | 0.4714761 | 0.9998047 |
| 12-6 | 0.183035714 | -0.47959029 | 0.8456617 | 0.9994309 |
| 8-7 | -0.036184211 | -0.41719951 | 0.3448311 | 1.0000000 |
| 9-7 | -0.062500000 | -0.45950885 | 0.3345088 | 0.9999987 |
| 10-7 | 0.289351852 | -0.12563020 | 0.7043339 | 0.5000839 |
| 11-7 | -0.187500000 | -0.81522611 | 0.4402261 | 0.9987606 |
| 12-7 | 0.151785714 | -0.51084029 | 0.8144117 | 0.9999188 |
| 9-8 | -0.026315789 | -0.40733109 | 0.3546995 | 1.0000000 |
| 10-8 | 0.325536062 | -0.07417225 | 0.7252444 | 0.2484094 |
| 11-8 | -0.151315789 | -0.76905092 | 0.4664193 | 0.9998349 |
| 12-8 | 0.187969925 | -0.46519915 | 0.8411390 | 0.9991418 |
| 10-9 | 0.351851852 | -0.06313020 | 0.7668339 | 0.1941977 |
| 11-9 | -0.125000000 | -0.75272611 | 0.5027261 | 0.9999822 |
| 12-9 | 0.214285714 | -0.44834029 | 0.8769117 | 0.9973366 |
| 11-10 | -0.476851852 | -1.11609683 | 0.1623931 | 0.3858907 |
| 12-10 | -0.137566138 | -0.81111442 | 0.5359821 | 0.9999765 |
| 12-11 | 0.339285714 | -0.48260069 | 1.1611721 | 0.9771494 |
|  |  |  |  |  |
| data source: National Mental Health Services Survey 2015 | | | |  |

Table 8 ANOVA results FEESCALE~TXMOD

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | df | Sum sq | Mean sq | F | P | significance |
|  | 8.00 | 4.26 | 0.5321 | 2.176 | 0.0286 | \* |
| Residuals | 373.00 | 91.23 | 0.2446 |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| note: for p values \*\*\* 0.001 \*\*0.01 \*0.05; | | | | |  |  |
| data source: National Mental Health Services Survey 2015 | | | | |  |  |

Table 9 TukeyHSD results FEESCALE~TXMOD

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | diff | lwr | upr | p adj |
| 1-0 | -0.032212885 | -0.47296298 | 0.4085372 | 1.0000000 |
| 2-0 | 0.026610644 | -0.41413945 | 0.4673607 | 1.0000000 |
| 3-0 | 0.317460317 | -0.11859010 | 0.7535107 | 0.4267853 |
| 4-0 | 0.311904762 | -0.11603777 | 0.7398473 | 0.4249001 |
| 5-0 | 0.444831591 | 0.01868949 | 0.8709737 | 0.0316451 |
| 6-0 | 0.293154762 | -0.15282328 | 0.7391328 | 0.5977037 |
| 7-0 | 0.324404762 | -0.12157328 | 0.7703828 | 0.4282626 |
| 8-0 | 0.288220551 | -0.14358154 | 0.7200226 | 0.5728873 |
| 9-0 | 0.261904762 | -0.18407328 | 0.7078828 | 0.7591650 |
| 10-0 | 0.613756614 | 0.15170630 | 1.0758069 | 0.0008854 |
| 11-0 | 0.136904762 | -0.52288343 | 0.7966930 | 0.9999720 |
| 12-0 | 0.476190476 | -0.21688499 | 1.1692659 | 0.5249173 |
| 2-1 | 0.058823529 | -0.32633163 | 0.4439787 | 0.9999991 |
| 3-1 | 0.349673203 | -0.03009490 | 0.7294413 | 0.1062100 |
| 4-1 | 0.344117647 | -0.02631272 | 0.7145480 | 0.0986821 |
| 5-1 | 0.477044476 | 0.10869554 | 0.8453934 | 0.0014132 |
| 6-1 | 0.325367647 | -0.06575926 | 0.7164946 | 0.2190202 |
| 7-1 | 0.356617647 | -0.03450926 | 0.7477446 | 0.1149613 |
| 8-1 | 0.320433437 | -0.05444907 | 0.6953159 | 0.1841476 |
| 9-1 | 0.294117647 | -0.09700926 | 0.6852446 | 0.3725554 |
| 10-1 | 0.645969499 | 0.23661105 | 1.0553279 | 0.0000184 |
| 11-1 | 0.169117647 | -0.45490503 | 0.7931403 | 0.9995309 |
| 12-1 | 0.508403361 | -0.15071533 | 1.1675221 | 0.3311275 |
| 3-2 | 0.290849673 | -0.08891843 | 0.6706178 | 0.3425999 |
| 4-2 | 0.285294118 | -0.08513625 | 0.6557245 | 0.3335588 |
| 5-2 | 0.418220947 | 0.04987201 | 0.7865699 | 0.0111774 |
| 6-2 | 0.266544118 | -0.12458279 | 0.6576710 | 0.5385956 |
| 7-2 | 0.297794118 | -0.09333279 | 0.6889210 | 0.3521454 |
| 8-2 | 0.261609907 | -0.11327260 | 0.6364924 | 0.4986729 |
| 9-2 | 0.235294118 | -0.15583279 | 0.6264210 | 0.7283669 |
| 10-2 | 0.587145969 | 0.17778752 | 0.9965044 | 0.0001844 |
| 11-2 | 0.110294118 | -0.51372856 | 0.7343168 | 0.9999953 |
| 12-2 | 0.449579832 | -0.20953886 | 1.1086985 | 0.5370897 |
| 4-3 | -0.005555556 | -0.37038151 | 0.3592704 | 1.0000000 |
| 5-3 | 0.127371274 | -0.23534109 | 0.4900836 | 0.9942912 |
| 6-3 | -0.024305556 | -0.41012881 | 0.3615177 | 1.0000000 |
| 7-3 | 0.006944444 | -0.37887881 | 0.3927677 | 1.0000000 |
| 8-3 | -0.029239766 | -0.39858542 | 0.3401059 | 1.0000000 |
| 9-3 | -0.055555556 | -0.44137881 | 0.3302677 | 0.9999995 |
| 10-3 | 0.296296296 | -0.10799773 | 0.7005903 | 0.4155920 |
| 11-3 | -0.180555556 | -0.80126774 | 0.4401566 | 0.9990454 |
| 12-3 | 0.158730159 | -0.49725518 | 0.8147155 | 0.9998548 |
| 5-4 | 0.132926829 | -0.21999682 | 0.4858505 | 0.9893884 |
| 6-4 | -0.018750000 | -0.39538566 | 0.3578857 | 1.0000000 |
| 7-4 | 0.012500000 | -0.36413566 | 0.3891357 | 1.0000000 |
| 8-4 | -0.023684211 | -0.38342169 | 0.3360533 | 1.0000000 |
| 9-4 | -0.050000000 | -0.42663566 | 0.3266357 | 0.9999998 |
| 10-4 | 0.301851852 | -0.09368386 | 0.6973876 | 0.3483592 |
| 11-4 | -0.175000000 | -0.79004346 | 0.4400435 | 0.9992337 |
| 12-4 | 0.164285714 | -0.48633830 | 0.8149097 | 0.9997733 |
| 6-5 | -0.151676829 | -0.52626555 | 0.2229119 | 0.9804715 |
| 7-5 | -0.120426829 | -0.49501555 | 0.2541619 | 0.9974810 |
| 8-5 | -0.156611040 | -0.51420485 | 0.2009828 | 0.9636258 |
| 9-5 | -0.182926829 | -0.55751555 | 0.1916619 | 0.9200399 |
| 10-5 | 0.168925023 | -0.22466205 | 0.5625121 | 0.9688846 |
| 11-5 | -0.307926829 | -0.92171893 | 0.3058653 | 0.9042600 |
| 12-5 | 0.031358885 | -0.61808233 | 0.6808001 | 1.0000000 |
| 7-6 | 0.031250000 | -0.36575885 | 0.4282588 | 1.0000000 |
| 8-6 | -0.004934211 | -0.38594951 | 0.3760811 | 1.0000000 |
| 9-6 | -0.031250000 | -0.42825885 | 0.3657588 | 1.0000000 |
| 10-6 | 0.320601852 | -0.09438020 | 0.7355839 | 0.3285791 |
| 11-6 | -0.156250000 | -0.78397611 | 0.4714761 | 0.9998047 |
| 12-6 | 0.183035714 | -0.47959029 | 0.8456617 | 0.9994309 |
| 8-7 | -0.036184211 | -0.41719951 | 0.3448311 | 1.0000000 |
| 9-7 | -0.062500000 | -0.45950885 | 0.3345088 | 0.9999987 |
| 10-7 | 0.289351852 | -0.12563020 | 0.7043339 | 0.5000839 |
| 11-7 | -0.187500000 | -0.81522611 | 0.4402261 | 0.9987606 |
| 12-7 | 0.151785714 | -0.51084029 | 0.8144117 | 0.9999188 |
| 9-8 | -0.026315789 | -0.40733109 | 0.3546995 | 1.0000000 |
| 10-8 | 0.325536062 | -0.07417225 | 0.7252444 | 0.2484094 |
| 11-8 | -0.151315789 | -0.76905092 | 0.4664193 | 0.9998349 |
| 12-8 | 0.187969925 | -0.46519915 | 0.8411390 | 0.9991418 |
| 10-9 | 0.351851852 | -0.06313020 | 0.7668339 | 0.1941977 |
| 11-9 | -0.125000000 | -0.75272611 | 0.5027261 | 0.9999822 |
| 12-9 | 0.214285714 | -0.44834029 | 0.8769117 | 0.9973366 |
| 11-10 | -0.476851852 | -1.11609683 | 0.1623931 | 0.3858907 |
| 12-10 | -0.137566138 | -0.81111442 | 0.5359821 | 0.9999765 |
| 12-11 | 0.339285714 | -0.48260069 | 1.1611721 | 0.9771494 |
|  |  |  |  |  |
| data source: National Mental Health Services Survey 2015 | | | |  |

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Table 10 Cross Tabulation for FEESCALE and MHSERVICES

Cell Contents

|-------------------------|

| N |

| N / Row Total |

| N / Col Total |

| N / Table Total |

|-------------------------|

Total Observations in Table: 382

| texas$newFS

texas$MHSERVICES | 0 | 1 | Row Total |

-----------------|-----------|-----------|-----------|

3 | 3 | 0 | 3 |

| 1.000 | 0.000 | 0.008 |

| 0.016 | 0.000 | |

| 0.008 | 0.000 | |

-----------------|-----------|-----------|-----------|

4 | 7 | 3 | 10 |

| 0.700 | 0.300 | 0.026 |

| 0.037 | 0.016 | |

| 0.018 | 0.008 | |

-----------------|-----------|-----------|-----------|

5 | 6 | 9 | 15 |

| 0.400 | 0.600 | 0.039 |

| 0.032 | 0.047 | |

| 0.016 | 0.024 | |

-----------------|-----------|-----------|-----------|

6 | 15 | 6 | 21 |

| 0.714 | 0.286 | 0.055 |

| 0.079 | 0.031 | |

| 0.039 | 0.016 | |

-----------------|-----------|-----------|-----------|

7 | 19 | 7 | 26 |

| 0.731 | 0.269 | 0.068 |

| 0.101 | 0.036 | |

| 0.050 | 0.018 | |

-----------------|-----------|-----------|-----------|

8 | 22 | 7 | 29 |

| 0.759 | 0.241 | 0.076 |

| 0.116 | 0.036 | |

| 0.058 | 0.018 | |

-----------------|-----------|-----------|-----------|

9 | 25 | 16 | 41 |

| 0.610 | 0.390 | 0.107 |

| 0.132 | 0.083 | |

| 0.065 | 0.042 | |

-----------------|-----------|-----------|-----------|

10 | 21 | 32 | 53 |

| 0.396 | 0.604 | 0.139 |

| 0.111 | 0.166 | |

| 0.055 | 0.084 | |

-----------------|-----------|-----------|-----------|

11 | 21 | 32 | 53 |

| 0.396 | 0.604 | 0.139 |

| 0.111 | 0.166 | |

| 0.055 | 0.084 | |

-----------------|-----------|-----------|-----------|

12 | 7 | 25 | 32 |

| 0.219 | 0.781 | 0.084 |

| 0.037 | 0.130 | |

| 0.018 | 0.065 | |

-----------------|-----------|-----------|-----------|

13 | 15 | 10 | 25 |

| 0.600 | 0.400 | 0.065 |

| 0.079 | 0.052 | |

| 0.039 | 0.026 | |

-----------------|-----------|-----------|-----------|

14 | 6 | 11 | 17 |

| 0.353 | 0.647 | 0.045 |

| 0.032 | 0.057 | |

| 0.016 | 0.029 | |

-----------------|-----------|-----------|-----------|

15 | 9 | 4 | 13 |

| 0.692 | 0.308 | 0.034 |

| 0.048 | 0.021 | |

| 0.024 | 0.010 | |

-----------------|-----------|-----------|-----------|

16 | 8 | 14 | 22 |

| 0.364 | 0.636 | 0.058 |

| 0.042 | 0.073 | |

| 0.021 | 0.037 | |

-----------------|-----------|-----------|-----------|

17 | 2 | 7 | 9 |

| 0.222 | 0.778 | 0.024 |

| 0.011 | 0.036 | |

| 0.005 | 0.018 | |

-----------------|-----------|-----------|-----------|

18 | 1 | 5 | 6 |

| 0.167 | 0.833 | 0.016 |

| 0.005 | 0.026 | |

| 0.003 | 0.013 | |

-----------------|-----------|-----------|-----------|

19 | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

| 0.000 | 0.005 | |

| 0.000 | 0.003 | |

-----------------|-----------|-----------|-----------|

20 | 1 | 3 | 4 |

| 0.250 | 0.750 | 0.010 |

| 0.005 | 0.016 | |

| 0.003 | 0.008 | |

-----------------|-----------|-----------|-----------|

21 | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.005 |

| 0.005 | 0.005 | |

| 0.003 | 0.003 | |

-----------------|-----------|-----------|-----------|

Column Total | 189 | 193 | 382 |

| 0.495 | 0.505 | |

-----------------|-----------|-----------|-----------|

Data source: National Mental Health Services Survey 2015

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table 11 Cross Tabulation for FEESCALE and ORSERVICES

Cell Contents

|-------------------------|

| N |

| N / Row Total |

| N / Col Total |

| N / Table Total |

|-------------------------|

Total Observations in Table: 382

| texas$newFS

texas$ORSERVICES | 0 | 1 | Row Total |

-----------------|-----------|-----------|-----------|

0 | 16 | 5 | 21 |

| 0.762 | 0.238 | 0.055 |

| 0.085 | 0.026 | |

| 0.042 | 0.013 | |

-----------------|-----------|-----------|-----------|

1 | 27 | 7 | 34 |

| 0.794 | 0.206 | 0.089 |

| 0.143 | 0.036 | |

| 0.071 | 0.018 | |

-----------------|-----------|-----------|-----------|

2 | 25 | 9 | 34 |

| 0.735 | 0.265 | 0.089 |

| 0.132 | 0.047 | |

| 0.065 | 0.024 | |

-----------------|-----------|-----------|-----------|

3 | 16 | 20 | 36 |

| 0.444 | 0.556 | 0.094 |

| 0.085 | 0.104 | |

| 0.042 | 0.052 | |

-----------------|-----------|-----------|-----------|

4 | 18 | 22 | 40 |

| 0.450 | 0.550 | 0.105 |

| 0.095 | 0.114 | |

| 0.047 | 0.058 | |

-----------------|-----------|-----------|-----------|

5 | 13 | 28 | 41 |

| 0.317 | 0.683 | 0.107 |

| 0.069 | 0.145 | |

| 0.034 | 0.073 | |

-----------------|-----------|-----------|-----------|

6 | 15 | 17 | 32 |

| 0.469 | 0.531 | 0.084 |

| 0.079 | 0.088 | |

| 0.039 | 0.045 | |

-----------------|-----------|-----------|-----------|

7 | 14 | 18 | 32 |

| 0.438 | 0.562 | 0.084 |

| 0.074 | 0.093 | |

| 0.037 | 0.047 | |

-----------------|-----------|-----------|-----------|

8 | 18 | 20 | 38 |

| 0.474 | 0.526 | 0.099 |

| 0.095 | 0.104 | |

| 0.047 | 0.052 | |

-----------------|-----------|-----------|-----------|

9 | 16 | 16 | 32 |

| 0.500 | 0.500 | 0.084 |

| 0.085 | 0.083 | |

| 0.042 | 0.042 | |

-----------------|-----------|-----------|-----------|

10 | 4 | 23 | 27 |

| 0.148 | 0.852 | 0.071 |

| 0.021 | 0.119 | |

| 0.010 | 0.060 | |

-----------------|-----------|-----------|-----------|

11 | 5 | 3 | 8 |

| 0.625 | 0.375 | 0.021 |

| 0.026 | 0.016 | |

| 0.013 | 0.008 | |

-----------------|-----------|-----------|-----------|

12 | 2 | 5 | 7 |

| 0.286 | 0.714 | 0.018 |

| 0.011 | 0.026 | |

| 0.005 | 0.013 | |

-----------------|-----------|-----------|-----------|

Column Total | 189 | 193 | 382 |

| 0.495 | 0.505 | |

-----------------|-----------|-----------|-----------|

Data source: National Mental Health Services Survey 2015

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table 12 Cross Tabulation for FEESCALE and TXMOD

Cell Contents

|-------------------------|

| N |

| N / Row Total |

| N / Col Total |

| N / Table Total |

|-------------------------|

Total Observations in Table: 382

| texas$newFS

texas$TXMOD | 0 | 1 | Row Total |

-------------|-----------|-----------|-----------|

0 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

| 0.005 | 0.000 | |

| 0.003 | 0.000 | |

-------------|-----------|-----------|-----------|

1 | 8 | 11 | 19 |

| 0.421 | 0.579 | 0.050 |

| 0.042 | 0.057 | |

| 0.021 | 0.029 | |

-------------|-----------|-----------|-----------|

2 | 16 | 28 | 44 |

| 0.364 | 0.636 | 0.115 |

| 0.085 | 0.145 | |

| 0.042 | 0.073 | |

-------------|-----------|-----------|-----------|

3 | 30 | 44 | 74 |

| 0.405 | 0.595 | 0.194 |

| 0.159 | 0.228 | |

| 0.079 | 0.115 | |

-------------|-----------|-----------|-----------|

4 | 52 | 55 | 107 |

| 0.486 | 0.514 | 0.280 |

| 0.275 | 0.285 | |

| 0.136 | 0.144 | |

-------------|-----------|-----------|-----------|

5 | 54 | 33 | 87 |

| 0.621 | 0.379 | 0.228 |

| 0.286 | 0.171 | |

| 0.141 | 0.086 | |

-------------|-----------|-----------|-----------|

6 | 23 | 14 | 37 |

| 0.622 | 0.378 | 0.097 |

| 0.122 | 0.073 | |

| 0.060 | 0.037 | |

-------------|-----------|-----------|-----------|

7 | 4 | 8 | 12 |

| 0.333 | 0.667 | 0.031 |

| 0.021 | 0.041 | |

| 0.010 | 0.021 | |

-------------|-----------|-----------|-----------|

8 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

| 0.005 | 0.000 | |

| 0.003 | 0.000 | |

-------------|-----------|-----------|-----------|

Column Total | 189 | 193 | 382 |

| 0.495 | 0.505 | |

-------------|-----------|-----------|-----------|

Data source: National Mental Health Services Survey 2015