Chapter 11 SPSS Output

1c.

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| **ANOVA** |
| Schoolskip  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 293.918 | 2 | 146.959 | 85.301 | .000 |
| Within Groups | 17596.911 | 10214 | 1.723 |  |  |
| Total | 17890.829 | 10216 |  |  |  |

2a.

|  |
| --- |
| **ANOVA** |
| Schoolskip  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 293.918 | 2 | 146.959 | 85.301 | .000 |
| Within Groups | 17596.911 | 10214 | 1.723 |  |  |
| Total | 17890.829 | 10216 |  |  |  |

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| --- |
| **Multiple Comparisons** |
| Dependent Variable: Schoolskip  |
| Tukey HSD  |
| (I) 2013 RACE--B/W/H F1234 | (J) 2013 RACE--B/W/H F1234 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| BLACK:(1) | WHITE:(2) | .44931\* | .04028 | .000 | .3549 | .5437 |
| HISPANIC:(3) | .16093\* | .04690 | .002 | .0510 | .2709 |
| WHITE:(2) | BLACK:(1) | -.44931\* | .04028 | .000 | -.5437 | -.3549 |
| HISPANIC:(3) | -.28839\* | .03284 | .000 | -.3654 | -.2114 |
| HISPANIC:(3) | BLACK:(1) | -.16093\* | .04690 | .002 | -.2709 | -.0510 |
| WHITE:(2) | .28839\* | .03284 | .000 | .2114 | .3654 |
| \*. The mean difference is significant at the 0.05 level. |

3.

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| **ANOVA** |
| Schoolskip  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1561.342 | 3 | 520.447 | 302.773 | .000 |
| Within Groups | 21393.873 | 12446 | 1.719 |  |  |
| Total | 22955.215 | 12449 |  |  |  |

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| --- |
| **Multiple Comparisons** |
| Dependent Variable: Schoolskip  |
| Tukey HSD  |
| (I) have friends dropped out of school | (J) have friends dropped out of school | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| NONE:(1) | A FEW:(2) | -.44647\* | .02736 | .000 | -.5168 | -.3762 |
| SOME:(3) | -1.07200\* | .05403 | .000 | -1.2108 | -.9332 |
| MOST/ALL:(4) | -3.33285\* | .17577 | .000 | -3.7845 | -2.8812 |
| A FEW:(2) | NONE:(1) | .44647\* | .02736 | .000 | .3762 | .5168 |
| SOME:(3) | -.62552\* | .05718 | .000 | -.7724 | -.4786 |
| MOST/ALL:(4) | -2.88637\* | .17676 | .000 | -3.3405 | -2.4322 |
| SOME:(3) | NONE:(1) | 1.07200\* | .05403 | .000 | .9332 | 1.2108 |
| A FEW:(2) | .62552\* | .05718 | .000 | .4786 | .7724 |
| MOST/ALL:(4) | -2.26085\* | .18280 | .000 | -2.7305 | -1.7912 |
| MOST/ALL:(4) | NONE:(1) | 3.33285\* | .17577 | .000 | 2.8812 | 3.7845 |
| A FEW:(2) | 2.88637\* | .17676 | .000 | 2.4322 | 3.3405 |
| SOME:(3) | 2.26085\* | .18280 | .000 | 1.7912 | 2.7305 |
| \*. The mean difference is significant at the 0.05 level. |

4.

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| **ANOVA** |
| Smoking and drinking quantity frequency index INTERVAL  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 3913.202 | 5 | 782.640 | 46.094 | .000 |
| Within Groups | 206536.151 | 12164 | 16.979 |  |  |
| Total | 210449.353 | 12169 |  |  |  |

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| **Multiple Comparisons** |
| Dependent Variable: Smoking and drinking quantity frequency index INTERVAL  |
| Tukey HSD  |
| (I) 2013 C07 AFTER SCHL ALONE F1234 | (J) 2013 C07 AFTER SCHL ALONE F1234 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| NONE:(1) | LT 1 HR:(2) | -.22034 | .11117 | .353 | -.5372 | .0965 |
| 1-2 HRS:(3) | -.64580\* | .10766 | .000 | -.9527 | -.3389 |
| 2-3 HRS:(4) | -1.00013\* | .11974 | .000 | -1.3414 | -.6589 |
| 4-5 HRS:(5) | -1.55230\* | .14394 | .000 | -1.9625 | -1.1421 |
| >5 HRS(6) | -1.89938\* | .17638 | .000 | -2.4021 | -1.3967 |
| LT 1 HR:(2) | NONE:(1) | .22034 | .11117 | .353 | -.0965 | .5372 |
| 1-2 HRS:(3) | -.42546\* | .11210 | .002 | -.7450 | -.1060 |
| 2-3 HRS:(4) | -.77979\* | .12374 | .000 | -1.1325 | -.4271 |
| 4-5 HRS:(5) | -1.33196\* | .14728 | .000 | -1.7517 | -.9122 |
| >5 HRS(6) | -1.67904\* | .17912 | .000 | -2.1896 | -1.1685 |
| 1-2 HRS:(3) | NONE:(1) | .64580\* | .10766 | .000 | .3389 | .9527 |
| LT 1 HR:(2) | .42546\* | .11210 | .002 | .1060 | .7450 |
| 2-3 HRS:(4) | -.35433\* | .12060 | .039 | -.6981 | -.0106 |
| 4-5 HRS:(5) | -.90650\* | .14466 | .000 | -1.3188 | -.4942 |
| >5 HRS(6) | -1.25358\* | .17697 | .000 | -1.7580 | -.7492 |
| 2-3 HRS:(4) | NONE:(1) | 1.00013\* | .11974 | .000 | .6589 | 1.3414 |
| LT 1 HR:(2) | .77979\* | .12374 | .000 | .4271 | 1.1325 |
| 1-2 HRS:(3) | .35433\* | .12060 | .039 | .0106 | .6981 |
| 4-5 HRS:(5) | -.55217\* | .15385 | .004 | -.9907 | -.1137 |
| >5 HRS(6) | -.89925\* | .18456 | .000 | -1.4253 | -.3732 |
| 4-5 HRS:(5) | NONE:(1) | 1.55230\* | .14394 | .000 | 1.1421 | 1.9625 |
| LT 1 HR:(2) | 1.33196\* | .14728 | .000 | .9122 | 1.7517 |
| 1-2 HRS:(3) | .90650\* | .14466 | .000 | .4942 | 1.3188 |
| 2-3 HRS:(4) | .55217\* | .15385 | .004 | .1137 | .9907 |
| >5 HRS(6) | -.34708 | .20111 | .515 | -.9203 | .2261 |
| >5 HRS(6) | NONE:(1) | 1.89938\* | .17638 | .000 | 1.3967 | 2.4021 |
| LT 1 HR:(2) | 1.67904\* | .17912 | .000 | 1.1685 | 2.1896 |
| 1-2 HRS:(3) | 1.25358\* | .17697 | .000 | .7492 | 1.7580 |
| 2-3 HRS:(4) | .89925\* | .18456 | .000 | .3732 | 1.4253 |
| 4-5 HRS:(5) | .34708 | .20111 | .515 | -.2261 | .9203 |
| \*. The mean difference is significant at the 0.05 level. |

5.

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| **ANOVA** |
| Smoking and drinking quantity frequency index INTERVAL  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1484.338 | 2 | 742.169 | 43.117 | .000 |
| Within Groups | 184590.502 | 10724 | 17.213 |  |  |
| Total | 186074.840 | 10726 |  |  |  |

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| **Multiple Comparisons** |
| Dependent Variable: Smoking and drinking quantity frequency index INTERVAL  |
| Tukey HSD  |
| (I) Low education indicator for both parents, low educ= | (J) Low education indicator for both parents, low educ= | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| both parents HS or greater | one parent less than HS | -.91698\* | .12298 | .000 | -1.2053 | -.6287 |
| both parents less than HS | -1.04379\* | .16782 | .000 | -1.4372 | -.6504 |
| one parent less than HS | both parents HS or greater | .91698\* | .12298 | .000 | .6287 | 1.2053 |
| both parents less than HS | -.12681 | .19839 | .798 | -.5918 | .3382 |
| both parents less than HS | both parents HS or greater | 1.04379\* | .16782 | .000 | .6504 | 1.4372 |
| one parent less than HS | .12681 | .19839 | .798 | -.3382 | .5918 |
| \*. The mean difference is significant at the 0.05 level. |

6.

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| **ANOVA** |
| Schoolskip  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 293.918 | 2 | 146.959 | 85.301 | .000 |
| Within Groups | 17596.911 | 10214 | 1.723 |  |  |
| Total | 17890.829 | 10216 |  |  |  |

|  |
| --- |
| **Multiple Comparisons** |
| Dependent Variable: Schoolskip  |
|  | (I) 2013 RACE--B/W/H F1234 | (J) 2013 RACE--B/W/H F1234 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
|  | Lower Bound | Upper Bound |
| Tukey HSD | BLACK:(1) | WHITE:(2) | .44931\* | .04028 | .000 | .3549 | .5437 |
| HISPANIC:(3) | .16093\* | .04690 | .002 | .0510 | .2709 |
| WHITE:(2) | BLACK:(1) | -.44931\* | .04028 | .000 | -.5437 | -.3549 |
| HISPANIC:(3) | -.28839\* | .03284 | .000 | -.3654 | -.2114 |
| HISPANIC:(3) | BLACK:(1) | -.16093\* | .04690 | .002 | -.2709 | -.0510 |
| WHITE:(2) | .28839\* | .03284 | .000 | .2114 | .3654 |
| Bonferroni | BLACK:(1) | WHITE:(2) | .44931\* | .04028 | .000 | .3529 | .5457 |
| HISPANIC:(3) | .16093\* | .04690 | .002 | .0486 | .2732 |
| WHITE:(2) | BLACK:(1) | -.44931\* | .04028 | .000 | -.5457 | -.3529 |
| HISPANIC:(3) | -.28839\* | .03284 | .000 | -.3670 | -.2098 |
| HISPANIC:(3) | BLACK:(1) | -.16093\* | .04690 | .002 | -.2732 | -.0486 |
| WHITE:(2) | .28839\* | .03284 | .000 | .2098 | .3670 |
| \*. The mean difference is significant at the 0.05 level. |

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| --- |
| **ANOVA** |
| Schoolskip  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1561.342 | 3 | 520.447 | 302.773 | .000 |
| Within Groups | 21393.873 | 12446 | 1.719 |  |  |
| Total | 22955.215 | 12449 |  |  |  |

|  |
| --- |
| **Multiple Comparisons** |
| Dependent Variable: Schoolskip  |
|  | (I) have friends dropped out of school | (J) have friends dropped out of school | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
|  | Lower Bound | Upper Bound |
| Tukey HSD | NONE:(1) | A FEW:(2) | -.44647\* | .02736 | .000 | -.5168 | -.3762 |
| SOME:(3) | -1.07200\* | .05403 | .000 | -1.2108 | -.9332 |
| MOST/ALL:(4) | -3.33285\* | .17577 | .000 | -3.7845 | -2.8812 |
| A FEW:(2) | NONE:(1) | .44647\* | .02736 | .000 | .3762 | .5168 |
| SOME:(3) | -.62552\* | .05718 | .000 | -.7724 | -.4786 |
| MOST/ALL:(4) | -2.88637\* | .17676 | .000 | -3.3405 | -2.4322 |
| SOME:(3) | NONE:(1) | 1.07200\* | .05403 | .000 | .9332 | 1.2108 |
| A FEW:(2) | .62552\* | .05718 | .000 | .4786 | .7724 |
| MOST/ALL:(4) | -2.26085\* | .18280 | .000 | -2.7305 | -1.7912 |
| MOST/ALL:(4) | NONE:(1) | 3.33285\* | .17577 | .000 | 2.8812 | 3.7845 |
| A FEW:(2) | 2.88637\* | .17676 | .000 | 2.4322 | 3.3405 |
| SOME:(3) | 2.26085\* | .18280 | .000 | 1.7912 | 2.7305 |
| Bonferroni | NONE:(1) | A FEW:(2) | -.44647\* | .02736 | .000 | -.5187 | -.3743 |
| SOME:(3) | -1.07200\* | .05403 | .000 | -1.2146 | -.9294 |
| MOST/ALL:(4) | -3.33285\* | .17577 | .000 | -3.7966 | -2.8691 |
| A FEW:(2) | NONE:(1) | .44647\* | .02736 | .000 | .3743 | .5187 |
| SOME:(3) | -.62552\* | .05718 | .000 | -.7764 | -.4746 |
| MOST/ALL:(4) | -2.88637\* | .17676 | .000 | -3.3528 | -2.4200 |
| SOME:(3) | NONE:(1) | 1.07200\* | .05403 | .000 | .9294 | 1.2146 |
| A FEW:(2) | .62552\* | .05718 | .000 | .4746 | .7764 |
| MOST/ALL:(4) | -2.26085\* | .18280 | .000 | -2.7432 | -1.7785 |
| MOST/ALL:(4) | NONE:(1) | 3.33285\* | .17577 | .000 | 2.8691 | 3.7966 |
| A FEW:(2) | 2.88637\* | .17676 | .000 | 2.4200 | 3.3528 |
| SOME:(3) | 2.26085\* | .18280 | .000 | 1.7785 | 2.7432 |
| \*. The mean difference is significant at the 0.05 level. |

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| --- |
| **ANOVA** |
| Smoking and drinking quantity frequency index INTERVAL  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 3913.202 | 5 | 782.640 | 46.094 | .000 |
| Within Groups | 206536.151 | 12164 | 16.979 |  |  |
| Total | 210449.353 | 12169 |  |  |  |

|  |
| --- |
| **Multiple Comparisons** |
| Dependent Variable: Smoking and drinking quantity frequency index INTERVAL  |
|  | (I) 2013 C07 AFTER SCHL ALONE F1234 | (J) 2013 C07 AFTER SCHL ALONE F1234 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
|  | Lower Bound | Upper Bound |
| Tukey HSD | NONE:(1) | LT 1 HR:(2) | -.22034 | .11117 | .353 | -.5372 | .0965 |
| 1-2 HRS:(3) | -.64580\* | .10766 | .000 | -.9527 | -.3389 |
| 2-3 HRS:(4) | -1.00013\* | .11974 | .000 | -1.3414 | -.6589 |
| 4-5 HRS:(5) | -1.55230\* | .14394 | .000 | -1.9625 | -1.1421 |
| >5 HRS(6) | -1.89938\* | .17638 | .000 | -2.4021 | -1.3967 |
| LT 1 HR:(2) | NONE:(1) | .22034 | .11117 | .353 | -.0965 | .5372 |
| 1-2 HRS:(3) | -.42546\* | .11210 | .002 | -.7450 | -.1060 |
| 2-3 HRS:(4) | -.77979\* | .12374 | .000 | -1.1325 | -.4271 |
| 4-5 HRS:(5) | -1.33196\* | .14728 | .000 | -1.7517 | -.9122 |
| >5 HRS(6) | -1.67904\* | .17912 | .000 | -2.1896 | -1.1685 |
| 1-2 HRS:(3) | NONE:(1) | .64580\* | .10766 | .000 | .3389 | .9527 |
| LT 1 HR:(2) | .42546\* | .11210 | .002 | .1060 | .7450 |
| 2-3 HRS:(4) | -.35433\* | .12060 | .039 | -.6981 | -.0106 |
| 4-5 HRS:(5) | -.90650\* | .14466 | .000 | -1.3188 | -.4942 |
| >5 HRS(6) | -1.25358\* | .17697 | .000 | -1.7580 | -.7492 |
| 2-3 HRS:(4) | NONE:(1) | 1.00013\* | .11974 | .000 | .6589 | 1.3414 |
| LT 1 HR:(2) | .77979\* | .12374 | .000 | .4271 | 1.1325 |
| 1-2 HRS:(3) | .35433\* | .12060 | .039 | .0106 | .6981 |
| 4-5 HRS:(5) | -.55217\* | .15385 | .004 | -.9907 | -.1137 |
| >5 HRS(6) | -.89925\* | .18456 | .000 | -1.4253 | -.3732 |
| 4-5 HRS:(5) | NONE:(1) | 1.55230\* | .14394 | .000 | 1.1421 | 1.9625 |
| LT 1 HR:(2) | 1.33196\* | .14728 | .000 | .9122 | 1.7517 |
| 1-2 HRS:(3) | .90650\* | .14466 | .000 | .4942 | 1.3188 |
| 2-3 HRS:(4) | .55217\* | .15385 | .004 | .1137 | .9907 |
| >5 HRS(6) | -.34708 | .20111 | .515 | -.9203 | .2261 |
| >5 HRS(6) | NONE:(1) | 1.89938\* | .17638 | .000 | 1.3967 | 2.4021 |
| LT 1 HR:(2) | 1.67904\* | .17912 | .000 | 1.1685 | 2.1896 |
| 1-2 HRS:(3) | 1.25358\* | .17697 | .000 | .7492 | 1.7580 |
| 2-3 HRS:(4) | .89925\* | .18456 | .000 | .3732 | 1.4253 |
| 4-5 HRS:(5) | .34708 | .20111 | .515 | -.2261 | .9203 |
| Bonferroni | NONE:(1) | LT 1 HR:(2) | -.22034 | .11117 | .712 | -.5467 | .1060 |
| 1-2 HRS:(3) | -.64580\* | .10766 | .000 | -.9619 | -.3297 |
| 2-3 HRS:(4) | -1.00013\* | .11974 | .000 | -1.3517 | -.6486 |
| 4-5 HRS:(5) | -1.55230\* | .14394 | .000 | -1.9749 | -1.1297 |
| >5 HRS(6) | -1.89938\* | .17638 | .000 | -2.4172 | -1.3816 |
| LT 1 HR:(2) | NONE:(1) | .22034 | .11117 | .712 | -.1060 | .5467 |
| 1-2 HRS:(3) | -.42546\* | .11210 | .002 | -.7546 | -.0964 |
| 2-3 HRS:(4) | -.77979\* | .12374 | .000 | -1.1431 | -.4165 |
| 4-5 HRS:(5) | -1.33196\* | .14728 | .000 | -1.7644 | -.8996 |
| >5 HRS(6) | -1.67904\* | .17912 | .000 | -2.2049 | -1.1532 |
| 1-2 HRS:(3) | NONE:(1) | .64580\* | .10766 | .000 | .3297 | .9619 |
| LT 1 HR:(2) | .42546\* | .11210 | .002 | .0964 | .7546 |
| 2-3 HRS:(4) | -.35433\* | .12060 | .050 | -.7084 | -.0003 |
| 4-5 HRS:(5) | -.90650\* | .14466 | .000 | -1.3312 | -.4818 |
| >5 HRS(6) | -1.25358\* | .17697 | .000 | -1.7731 | -.7340 |
| 2-3 HRS:(4) | NONE:(1) | 1.00013\* | .11974 | .000 | .6486 | 1.3517 |
| LT 1 HR:(2) | .77979\* | .12374 | .000 | .4165 | 1.1431 |
| 1-2 HRS:(3) | .35433\* | .12060 | .050 | .0003 | .7084 |
| 4-5 HRS:(5) | -.55217\* | .15385 | .005 | -1.0039 | -.1005 |
| >5 HRS(6) | -.89925\* | .18456 | .000 | -1.4411 | -.3574 |
| 4-5 HRS:(5) | NONE:(1) | 1.55230\* | .14394 | .000 | 1.1297 | 1.9749 |
| LT 1 HR:(2) | 1.33196\* | .14728 | .000 | .8996 | 1.7644 |
| 1-2 HRS:(3) | .90650\* | .14466 | .000 | .4818 | 1.3312 |
| 2-3 HRS:(4) | .55217\* | .15385 | .005 | .1005 | 1.0039 |
| >5 HRS(6) | -.34708 | .20111 | 1.000 | -.9375 | .2433 |
| >5 HRS(6) | NONE:(1) | 1.89938\* | .17638 | .000 | 1.3816 | 2.4172 |
| LT 1 HR:(2) | 1.67904\* | .17912 | .000 | 1.1532 | 2.2049 |
| 1-2 HRS:(3) | 1.25358\* | .17697 | .000 | .7340 | 1.7731 |
| 2-3 HRS:(4) | .89925\* | .18456 | .000 | .3574 | 1.4411 |
| 4-5 HRS:(5) | .34708 | .20111 | 1.000 | -.2433 | .9375 |
| \*. The mean difference is significant at the 0.05 level. |

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| **ANOVA** |
| Smoking and drinking quantity frequency index INTERVAL  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1484.338 | 2 | 742.169 | 43.117 | .000 |
| Within Groups | 184590.502 | 10724 | 17.213 |  |  |
| Total | 186074.840 | 10726 |  |  |  |

|  |
| --- |
| **Multiple Comparisons** |
| Dependent Variable: Smoking and drinking quantity frequency index INTERVAL  |
|  | (I) Low education indicator for both parents, low educ= | (J) Low education indicator for both parents, low educ= | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
|  | Lower Bound | Upper Bound |
| Tukey HSD | both parents HS or greater | one parent less than HS | -.91698\* | .12298 | .000 | -1.2053 | -.6287 |
| both parents less than HS | -1.04379\* | .16782 | .000 | -1.4372 | -.6504 |
| one parent less than HS | both parents HS or greater | .91698\* | .12298 | .000 | .6287 | 1.2053 |
| both parents less than HS | -.12681 | .19839 | .798 | -.5918 | .3382 |
| both parents less than HS | both parents HS or greater | 1.04379\* | .16782 | .000 | .6504 | 1.4372 |
| one parent less than HS | .12681 | .19839 | .798 | -.3382 | .5918 |
| Bonferroni | both parents HS or greater | one parent less than HS | -.91698\* | .12298 | .000 | -1.2114 | -.6225 |
| both parents less than HS | -1.04379\* | .16782 | .000 | -1.4456 | -.6420 |
| one parent less than HS | both parents HS or greater | .91698\* | .12298 | .000 | .6225 | 1.2114 |
| both parents less than HS | -.12681 | .19839 | 1.000 | -.6018 | .3482 |
| both parents less than HS | both parents HS or greater | 1.04379\* | .16782 | .000 | .6420 | 1.4456 |
| one parent less than HS | .12681 | .19839 | 1.000 | -.3482 | .6018 |
| \*. The mean difference is significant at the 0.05 level. |