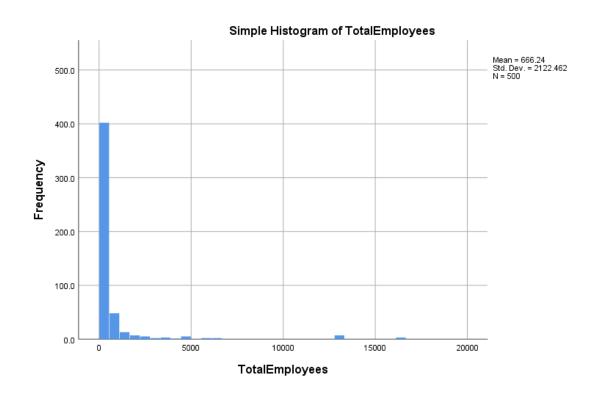
(i) Total Employees



Descriptive Statistics

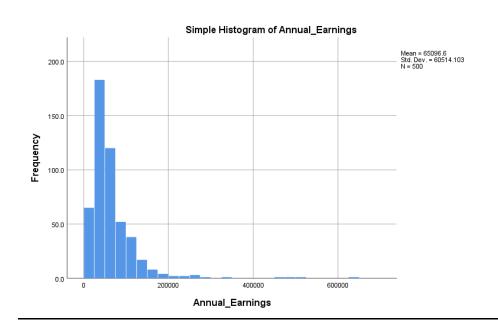
| | Ν | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|-------|---------|---------|--------|----------------|-------------|
| TotalEmployees | 500 | 16603 | 3 | 16606 | 666.24 | 2122.462 | 4504845.178 |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

TotalEmployees

| | | | Std. Error of | Minimu | Maximu | | Std. | | Skewnes | % of Total | % of Total |
|-----|--------|--------|---------------|--------|--------|-------|-----------|-----------|---------|------------|------------|
| Ν | Mean | Median | Mean | m | m | Range | Deviation | Variance | S | Sum | N |
| 500 | 666.24 | 84.50 | 94.919 | 3 | 16606 | 16603 | 2122.462 | 4504845.1 | 5.546 | 100.0% | 100.0% |
| | | | | | | | | 78 | | | |

Annual Earnings



Descriptive Statistics

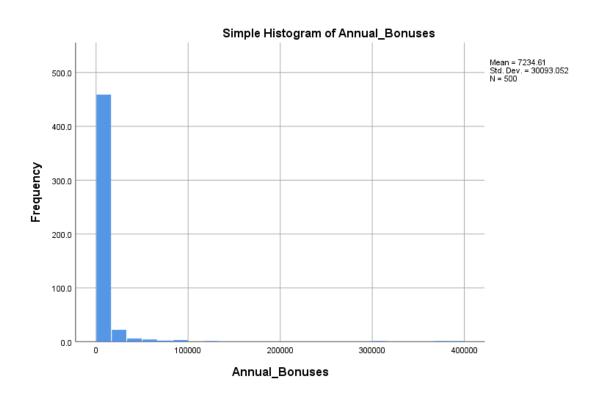
| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|--------|---------|---------|----------|----------------|----------------|
| Annual_Earnings | 500 | 631274 | 1505 | 632779 | 65096.60 | 60514.103 | 3661956708.000 |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

Annual_Earnings

| | | | Std. Error | Minimu | Maximu | | Std. | | Skewnes | % of Total | % of Total |
|-----|---------|---------|------------|--------|--------|--------|-----------|-----------|---------|------------|------------|
| N | Mean | Median | of Mean | m | m | Range | Deviation | Variance | S | Sum | N |
| 500 | 65096.6 | 50073.0 | 2706.273 | 1505 | 632779 | 631274 | 60514.103 | 366195670 | 4.431 | 100.0% | 100.0% |
| | 0 | 0 | | | | | | 8.000 | | | |

Annual Bonuses



Descriptive Statistics

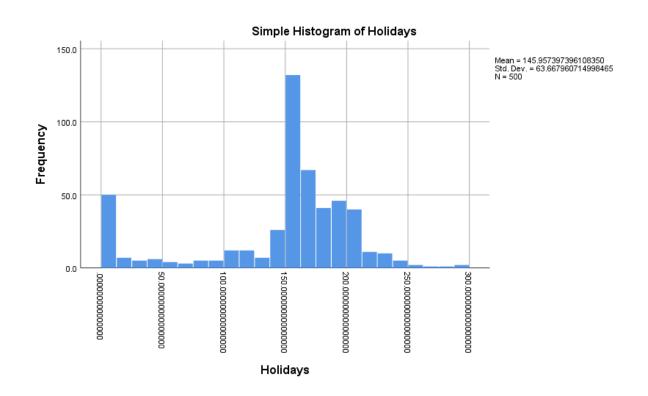
| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|--------|---------|---------|---------|----------------|---------------|
| Annual_Bonuses | 500 | 389000 | 0 | 389000 | 7234.61 | 30093.052 | 905591778.491 |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

Annual_Bonuses

| | _ | | | Std. Error of | Minimu | Maximu | | Std. | | Skewnes | % of Total | % of Total |
|---|-----|--------|--------|---------------|--------|--------|--------|-----------|------------|---------|------------|------------|
| 1 | ١ | Mean | Median | Mean | m | m | Range | Deviation | Variance | S | Sum | N |
| | 500 | 7234.6 | .00 | 1345.802 | 0 | 389000 | 389000 | 30093.052 | 905591778. | 9.999 | 100.0% | 100.0% |
| | | 1 | | | | | | | 491 | | | |

Holidays



Descriptive Statistics

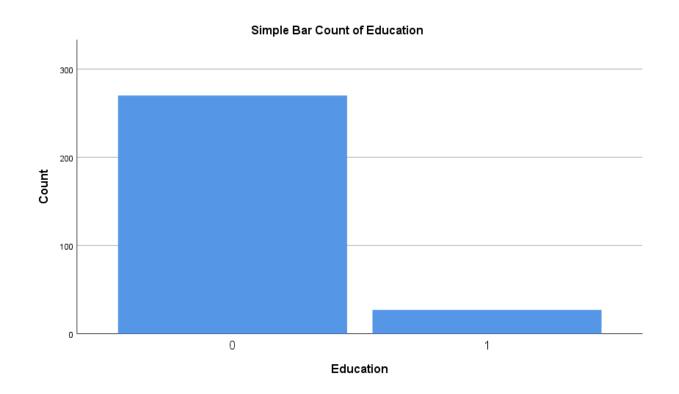
| | | | | | | Std. | |
|--------------------|-----|-------------|-------------|-------------|-------------|-------------|----------|
| | N | Range | Minimum | Maximum | Mean | Deviation | Variance |
| Holidays | 500 | 291.0000000 | .0000000000 | 291.0000000 | 145.9573973 | 63.66796071 | 4053.609 |
| | | 00000000 | 00000 | 00000000 | 96108350 | 4998460 | |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

Holidays

| Tiolidays | | | | | | | | | |
|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------|--------|
| | | | Std. Error | | | | Std. | Varianc | Skewne |
| N | Mean | Median | of Mean | Minimum | Maximum | Range | Deviation | е | SS |
| 500 | 145.95739 | 160.00000 | 2.8473177 | .00000000 | 291.00000 | 291.00000 | 63.667960 | 4053.6 | -1.160 |
| | 739610835 | 000000000 | 62950453 | 0000000 | 000000000 | 000000000 | 714998460 | 09 | |
| | 0 | 0 | | | 0 | 0 | | | |

Education



Descriptive Statistics

| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|-------|---------|---------|------|----------------|----------|
| Education | 297 | 1 | 0 | 1 | .09 | .288 | .083 |
| Valid N (listwise) | 297 | | | | | | |

Case Processing Summary

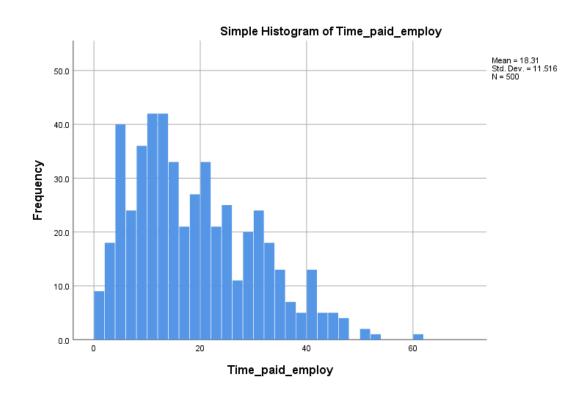
| | Cases | | | | | | | | | |
|-----------|-------|---------|------|---------|-------|---------|--|--|--|--|
| | Inclu | ded | Excl | uded | Total | | | | | |
| | N | Percent | N | Percent | N | Percent | | | | |
| Education | 297 | 59.4% | 203 | 40.6% | 500 | 100.0% | | | | |

Case Summaries

| ᆫ | lucation |
|---|----------|

| | | Media | Std. Error | Minimu | Maxim | | Std. | Varian | Skewne | % of Total | % of |
|-----|------|-------|------------|--------|-------|-------|-----------|--------|--------|------------|---------|
| N | Mean | n | of Mean | m | um | Range | Deviation | ce | SS | Sum | Total N |
| 297 | .09 | .00 | .017 | 0 | 1 | 1 | .288 | .083 | 2.861 | 100.0% | 100.0% |

Time paid employed



Descriptive Statistics

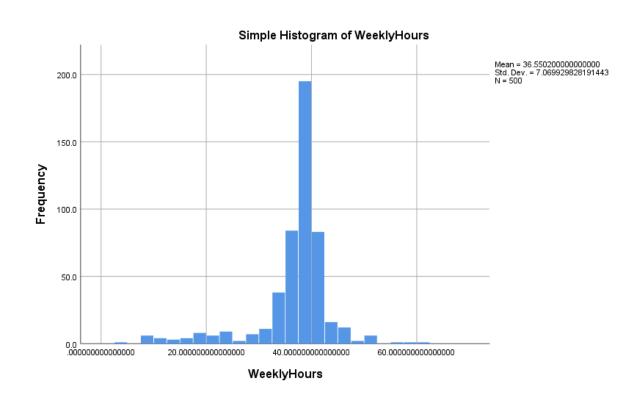
| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|-------|---------|---------|-------|----------------|----------|
| Time_paid_employ | 500 | 59 | 1 | 60 | 18.31 | 11.516 | 132.626 |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

Time_paid_employ

| | | Media | Std. Error | Minimu | Maximu | | Std. | Varian | Skewne | % of Total | % of |
|-----|-------|-------|------------|--------|--------|-------|-----------|--------|--------|------------|---------|
| N | Mean | n | of Mean | m | m | Range | Deviation | ce | SS | Sum | Total N |
| 500 | 18.31 | 16.00 | .515 | 1 | 60 | 59 | 11.516 | 132.62 | .658 | 100.0% | 100.0% |
| | | | | | | | | 6 | | | |

Weekly Hours



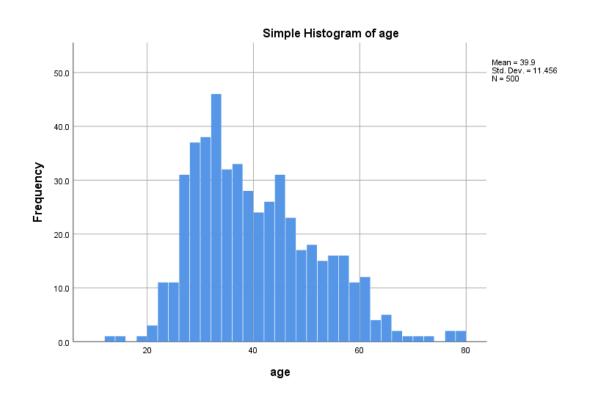
Descriptive Statistics

| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|---------------|---------------|---------------|---------------|----------------|----------|
| WeeklyHours | 500 | 56.1000000000 | 3.90000000000 | 60.0000000000 | 36.5502000000 | 7.06992982819 | 49.984 |
| | | 00000 | 0000 | 00000 | 00000 | 1442 | |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

| WeeklyHours | | | | | | | | | | | | |
|-------------|-----|---------|---------|----------|---------|---------|---------|----------|-------|--------|--------|---------|
| | | | | Std. | | | | Std. | | | % of | |
| | | | | Error of | Minimu | Maximu | | Deviatio | Varia | Skew | Total | % of |
| | N | Mean | Median | Mean | m | m | Range | n | nce | ness | Sum | Total N |
| | 500 | 36.5502 | 38.1000 | .316176 | 3.90000 | 60.0000 | 56.1000 | 7.06992 | 49.9 | -1.831 | 100.0% | 100.0% |
| | | 0000000 | 0000000 | 8738397 | 0000000 | 0000000 | 0000000 | 9828191 | 84 | | | |

<u>Age</u>



Descriptive Statistics

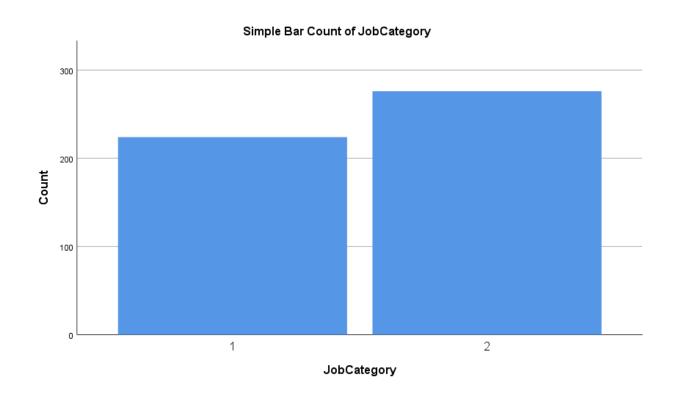
| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|-------|---------|---------|-------|----------------|----------|
| age | 500 | 65 | 13 | 78 | 39.90 | 11.456 | 131.233 |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

age

| | | | Std. Error | Minimu | Maximu | | Std. | Varian | Skewne | % of Total | % of Total |
|-----|-------|--------|------------|--------|--------|-------|-----------|--------|--------|------------|------------|
| N | Mean | Median | of Mean | m | m | Range | Deviation | ce | SS | Sum | N |
| 500 | 39.90 | 38.00 | .512 | 13 | 78 | 65 | 11.456 | 131.23 | .621 | 100.0% | 100.0% |
| | | | | | | | | 3 | | | |

Job Category



Descriptive Statistics

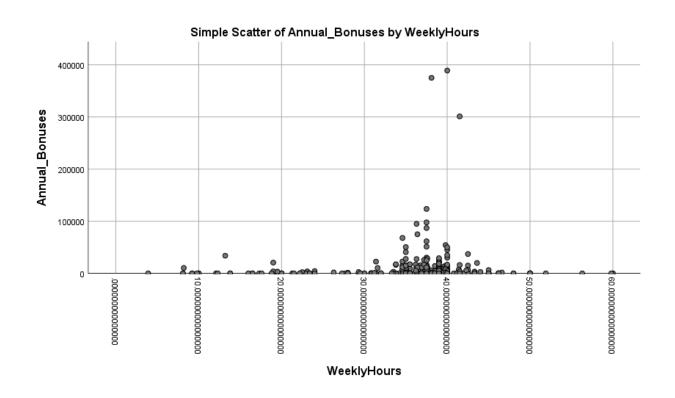
| | N | Range | Minimum | Maximum | Mean | Std. Deviation | Variance |
|--------------------|-----|-------|---------|---------|------|----------------|----------|
| JobCategory | 500 | 1 | 1 | 2 | 1.55 | .498 | .248 |
| Valid N (listwise) | 500 | | | | | | |

Case Summaries

JobCategory

| | | Media | Std. Error | Minimu | Maxim | | Std. | Varian | Skewne | % of Total | % of |
|-----|------|-------|------------|--------|-------|-------|-----------|--------|--------|------------|---------|
| N | Mean | n | of Mean | m | um | Range | Deviation | ce | SS | Sum | Total N |
| 500 | 1.55 | 2.00 | .022 | 1 | 2 | 1 | .498 | .248 | 210 | 100.0% | 100.0% |

(ii) Correlation between hours worked and annual bonuses received



Correlations

| | | Annual_Bonuses | WeeklyHours |
|----------------|---------------------|----------------|-------------|
| Annual_Bonuses | Pearson Correlation | 1 | .041 |
| | Sig. (2-tailed) | | .366 |
| | N | 500 | 500 |
| WeeklyHours | Pearson Correlation | .041 | 1 |
| | Sig. (2-tailed) | .366 | |
| | N | 500 | 500 |

Correlation between hours worked and annual bonuses is, r=.041

P- value = .366,

p > .05

.366 > .05

Sample suggests there is <u>not</u> a statistically significant relationship between hours worked and annual bonuses received

(iii) Test whether there is Evidence of a difference in annual earnings between the management and professional job categories.

Ho: u1 = u2 (means are the same)

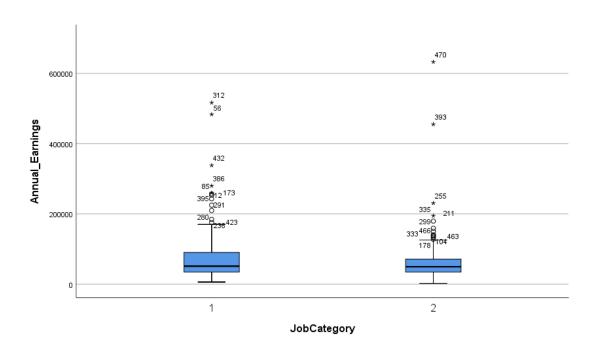
Ha: u1 ≠ u2 (means differ)

Descriptives

| | | Descriptiv | es | | |
|-----------------|-------|-----------------------------|-------------|--------------------|------------|
| | JobCa | tegory | | Statistic | Std. Error |
| Annual_Earnings | 1 | Mean | | 72993.43 | 4501.023 |
| | | 95% Confidence Interval for | Lower Bound | 64123.45 | |
| | | Mean | Upper Bound | 81863.41 | |
| | | 5% Trimmed Mean | | 64216.44 | |
| | | Median | | 51023.00 | |
| | | Variance | | 4538062235.16 1 | |
| | | Std. Deviation | | 67365.141 | |
| | | Minimum | | 6000 | |
| | | Maximum | | 516839 | |
| | | Range | | 510839 | |
| | | Interquartile Range | 56249 | | |
| | | Skewness | 3.186 | .163 | |
| | | Kurtosis | 14.976 | .324 | |
| | 2 | Mean | | 58687.58 | 3226.257 |
| | | 95% Confidence Interval for | Lower Bound | 52336.28 | |
| | | Mean | Upper Bound | 65038.88 | |
| | | 5% Trimmed Mean | | 53168.47 | |
| | | Median | | 49430.00 | |
| | | Variance | | 2872810992.61 | |
| | | | | 6 | |
| | | Std. Deviation | | 53598.610 | |
| | | Minimum | | 1505 | |
| | | Maximum | | 632779 | |
| | | Range | 631274 | | |
| | | Interquartile Range | 36973 | | |
| | | Skewness | 6.278 | .147 | |
| | | Kurtosis | | 57.965 | .292 |

Group Statistics

| | JobCategory | N | Mean | Std. Deviation | Std. Error Mean |
|-----------------|-------------|-----|----------|----------------|-----------------|
| Annual_Earnings | 1 | 224 | 72993.43 | 67365.141 | 4501.023 |
| | 2 | 276 | 58687.58 | 53598.610 | 3226.257 |



Independent Samples Test

| | | | Levene's Test for Equality of | | | | | | | |
|-----------------|-----------|--------|-------------------------------|-------|------------------------------|---------|------------|------------|----------|-----------|
| | | Varian | ices | | t-test for Equality of Means | | | | | |
| | | | | | | | | | 95% Co | onfidence |
| | | | | | | Sig. | | | Interva | al of the |
| | | | | | | (2- | Mean | Std. Error | Diffe | rence |
| | | F | Sig. | t | df | tailed) | Difference | Difference | Lower | Upper |
| Annual_Earnings | Equal | 13.563 | .000 | 2.644 | 498 | .008 | 14305.857 | 5409.666 | 3677.274 | 24934.439 |
| | variances | | | | | | | | | |
| | assumed | | | | | | | | | |
| | | | | | | | | | | |
| | Equal | | | 2.583 | 420.912 | .010 | 14305.857 | 5537.864 | 3420.542 | 25191.172 |
| | variances | | | | | | | | | |
| | not | | | | | | | | | |
| | assumed | | | | | | | | | |

From Levene's test for equality of variances, our p-value < .001 < .05

This tells us there is a statistically **significant** difference between the variances, and we must use values from the above table's second row, where equal variances are not assumed.

Test Statistic: 2.583

P-value: .010

Since p < .05, there is evidence to suggest that there is a statistically **significant** difference

between the means

Conclusion: Reject Ho and fail to reject Ha. There is evidence to suggest that the difference

between the means of annual earnings for management and professional jobs is statistically

significant.

The evidence from the sample would suggest that the means for annual earnings of

management jobs are higher than that of professional job categories.

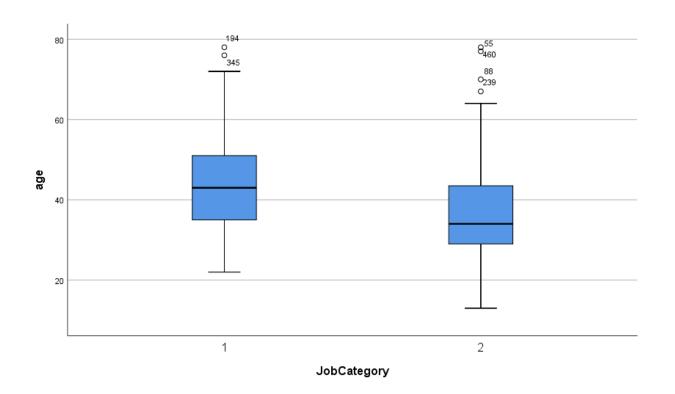
(iv) Test whether there is evidence of a difference in employee ages between the management and professional job categories.

Ho: u1 = u2 (means are the same)

Ha: u1 ≠ u2 (means differ)

Descriptives

| | JobCat | egory | | Statistic | Std. Error |
|-----|--------|-----------------------------|-------------|-----------|------------|
| age | 1 | Mean | | 43.63 | .730 |
| | | 95% Confidence Interval for | Lower Bound | 42.19 | |
| | | Mean | Upper Bound | 45.07 | |
| | | 5% Trimmed Mean | | 43.30 | |
| | | Median | | 43.00 | |
| | | Variance | | 119.391 | |
| | | Std. Deviation | | 10.927 | |
| | | Minimum | | 22 | |
| | | Maximum | | 78 | |
| | | Range | | 56 | |
| | | Interquartile Range | | 16 | |
| | | Skewness | | .407 | .163 |
| | | Kurtosis | | 258 | .324 |
| | 2 | Mean | | 36.88 | .662 |
| | | 95% Confidence Interval for | Lower Bound | 35.58 | |
| | | Mean | Upper Bound | 38.18 | |
| | | 5% Trimmed Mean | | 36.25 | |
| | | Median | | 34.00 | |
| | | Variance | | 120.833 | |
| | | Std. Deviation | | 10.992 | |
| | | Minimum | | 13 | |
| | | Maximum | | 78 | |
| | | Range | | 65 | |
| | | Interquartile Range | | 15 | |
| | | Skewness | | .956 | .147 |
| | | Kurtosis | | .863 | .292 |



Group Statistics

| | JobCategory | N | Mean | Std. Deviation | Std. Error Mean |
|-----|-------------|-----|-------|----------------|-----------------|
| age | 1 | 224 | 43.63 | 10.927 | .730 |
| | 2 | 276 | 36.88 | 10.992 | .662 |

Independent Samples Test

| | | Levene | s's Test | | | | | | | |
|-----|---------------|---------|----------|-------|------------------------------|----------|------------|------------|---------|----------|
| | | for Equ | ality of | | | | | | | |
| | | Varia | inces | | t-test for Equality of Means | | | | | |
| | | | | | | | | | 95% Coi | nfidence |
| | | | | | | | | | Interva | l of the |
| | | | | | | Sig. (2- | Mean | Std. Error | Differ | ence |
| | | F | Sig. | t | df | tailed) | Difference | Difference | Lower | Upper |
| age | Equal | .244 | .622 | 6.846 | 498 | .000 | 6.749 | .986 | 4.812 | 8.686 |
| | variances | | | | | | | | | |
| | assumed | | | | | | | | | |
| | Equal | | | 6.850 | 478.180 | .000 | 6.749 | .985 | 4.813 | 8.685 |
| | variances not | | | | | | | | | |
| | assumed | | | | | | | | | |

From Levene's test for equality of variances, our p-value = .622 > .05

This tells us there is **not** a statistically significant difference between the variances, and we can use values from the above table's first row, where equal variances are assumed.

Test Statistic: 6.846

P-value: < .001

Since p < .05, there is evidence to suggest that there is a statistically **significant** difference between the means.

Conclusion: Reject Ho and fail to reject Ha. There is evidence to suggest that the difference between the means of the employee's ages for management and professional jobs is statistically **significant.**

The evidence from the sample would suggest that the means for employee's ages of management jobs are higher than that of professional job categories.

(v) Test whether there is a difference in number of paid holiday's hours between company sizes.

<u>**Ho**:</u> u1 = u2 = u3 = u4 (no difference between the means of paid holidays between company sizes)

<u>Ha:</u> $u1 - u2 - u3 - u4 \neq 0$ (there is a difference between the means of paid holidays between company sizes, i.e. at least 2 means differed)

Descriptives

| Holiday | Holidays | | | | | | | | |
|---------|----------|---------|------------|------------|-----------------------------|--------------|------------|------------|--|
| | | | | | 95% Confidence Interval for | | | | |
| | | | Std. | | Me | ean | | | |
| | N | Mean | Deviation | Std. Error | Lower Bound | Upper Bound | Minimum | Maximum | |
| 1.00 | 70 | 139.142 | 56.7968119 | 6.7885174 | 125.6001353 | 152.68557891 | .000000000 | 240.000000 | |
| | | 8571428 | 42140636 | 55223183 | 70186850 | 5527430 | 000000 | 000000000 | |
| | | 57140 | | | | | | | |
| 2.00 | 143 | 152.657 | 52.0740108 | 4.3546475 | 144.0490275 | 161.26565779 | .000000000 | 283.500000 | |
| | | 3426506 | 34523070 | 48939259 | 02554760 | 8829840 | 000000 | 000000000 | |
| | | 92300 | | | | | | | |
| 3.00 | 129 | 148.385 | 61.9750380 | 5.4565978 | 137.5884595 | 159.18208171 | .000000000 | 258.000000 | |
| | | 2706361 | 04846340 | 38093194 | 54611000 | 7652520 | 000000 | 000000000 | |
| | | 31760 | | | | | | | |
| 4.00 | 158 | 140.930 | 76.0926664 | 6.0536075 | 128.9733521 | 152.88739201 | .000000000 | 291.000000 | |
| | | 3720692 | 52573250 | 06869886 | 24182000 | 4353400 | 000000 | 000000000 | |
| | | 67700 | | | | | | | |
| Total | 500 | 145.957 | 63.6679607 | 2.8473177 | 140.3631885 | 151.55160629 | .000000000 | 291.000000 | |
| | | 3973961 | 14998436 | 62950452 | 01760000 | 0457220 | 000000 | 000000000 | |
| | | 08600 | | | | | | | |

Test of Homogeneity of Variances

| | | Levene Statistic | df1 | df2 | Sig. |
|----------|--------------------------|------------------|-----|---------|------|
| Holidays | Based on Mean | 9.660 | 3 | 496 | .000 |
| | Based on Median | 5.249 | 3 | 496 | .001 |
| | Based on Median and with | 5.249 | 3 | 462.499 | .001 |
| | adjusted df | | | | |
| | Based on trimmed mean | 9.560 | 3 | 496 | .000 |

ANOVA

Holidays

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|-----|-------------|-------|------|
| Between Groups | 14423.037 | 3 | 4807.679 | 1.187 | .314 |
| Within Groups | 2008327.965 | 496 | 4049.048 | | |
| Total | 2022751.002 | 499 | | | |

Robust Tests of Equality of Means

Holidays

| | Statistic ^a | df1 | df2 | Sig. |
|-------|------------------------|-----|---------|------|
| Welch | 1.358 | 3 | 234.581 | .256 |

a. Asymptotically F distributed.

From test of homogeneity of variances, our p-value < .001, p < .05

This tells us there is a statistically **significant** difference between the variances, and we must use Welch's test in the ANOVA.

Test Statistic: 1.358

P-value: .256

Since p > .05 this evidence would suggest that there is **not** a statistically significant difference between the means of number of holiday hours paid between the company sizes.

Conclusion: Fail to reject Ho. There is not enough evidence to reject Ho. Evidence from sample would suggest that there is no difference in the mean number in paid holidays hours between the company sizes.

(vi) Test whether there an association between company size and whether or not the employee received a bonus.

Ho: There is **no association** between company size and receiving bonuses

Ha: There is an association between company size and receiving bonuses

CompanySize * BonusRecieved Crosstabulation

| | | | BonusRecieved | | |
|-------------|------|------------------------|---------------|---------------|--------|
| | | | No bonus | Recived bonus | Total |
| CompanySize | 1.00 | Count | 61 | 9 | 70 |
| | | % within CompanySize | 87.1% | 12.9% | 100.0% |
| | | % within BonusRecieved | 22.7% | 3.9% | 14.0% |
| | | % of Total | 12.2% | 1.8% | 14.0% |
| | 2.00 | Count | 96 | 47 | 143 |
| | | % within CompanySize | 67.1% | 32.9% | 100.0% |
| | | % within BonusRecieved | 35.7% | 20.3% | 28.6% |
| | | % of Total | 19.2% | 9.4% | 28.6% |
| | 3.00 | Count | 64 | 65 | 129 |
| | | % within CompanySize | 49.6% | 50.4% | 100.0% |
| | | % within BonusRecieved | 23.8% | 28.1% | 25.8% |
| | | % of Total | 12.8% | 13.0% | 25.8% |
| | 4.00 | Count | 48 | 110 | 158 |
| | | % within CompanySize | 30.4% | 69.6% | 100.0% |
| | | % within BonusRecieved | 17.8% | 47.6% | 31.6% |
| | | % of Total | 9.6% | 22.0% | 31.6% |
| Total | | Count | 269 | 231 | 500 |
| | | % within CompanySize | 53.8% | 46.2% | 100.0% |
| | | % within BonusRecieved | 100.0% | 100.0% | 100.0% |
| | | % of Total | 53.8% | 46.2% | 100.0% |

Chi-Square Tests

| | | | Asymptotic |
|------------------------------|---------------------|----|------------------|
| | | | Significance (2- |
| | Value | df | sided) |
| Pearson Chi-Square | 77.314 ^a | 3 | .000 |
| Likelihood Ratio | 82.576 | 3 | .000 |
| Linear-by-Linear Association | 77.109 | 1 | .000 |
| N of Valid Cases | 500 | | |

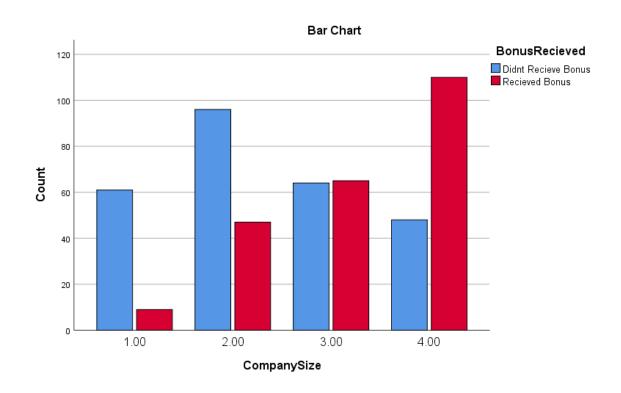
a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 32.34.

Test Statistic: 77.314

P-value: < .001

Since p < .05, this tells us that there is a statistically **significant** association between company size and bonuses received. Evidence from sample would suggest that the bigger the company size is, the more likely you are to receive a bonus.

Conclusion: Reject Ho and fail to reject Ha. There is a statistically **significant** association between company size and bonuses received.



(vii) R Code

Import data in from SPSS, to assign variables their values:

```
totalEmployees <- dataFile$TotalEmployees
annualEarnings <- dataFile$Annual_Earnings</pre>
annualBonuses <- dataFile$Annual Bonuses
holidays <- dataFile$Holidays
education <- dataFile$Education
timePaidEmployed <- dataFile$Time paid employ
weeklyHours <- dataFile$WeeklyHours
age <- dataFile$age
jobCategory <- dataFile$JobCategory
companySize <- dataFile$CompanySize
bonusRecieved <- dataFile$BonusRecieved
(iii)
Code:
t.test(annualEarnings~jobCategory, var.eq = F)
Output:
Welch Two Sample t-test
data: annualEarnings by jobCategory
t = 2.5833, df = 420.91, p-value = 0.01012
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
  3420.542 25191.172
sample estimates:
mean in group 1 mean in group 2
       72993.43 58687.58
(iv)
Code:
t.test(age~jobCategory, var.eq = T)
Output:
Two Sample t-test
data: age by jobCategory
t = 6.8455, df = 498, p-value = 2.249e-11
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 4.811980 8.686079
sample estimates:
mean in group 1 mean in group 2
       43.62946
                       36.88043
```

```
(v)
Code:
oneway.test(holidays~as.factor(companySize), var.eq =F)
Output:
       One-way analysis of means (not assuming equal variances)
data: holidays and as.factor(companySize)
F = 1.3578, num df = 3.00, denom df = 234.58, p-value = 0.2564
(vi)
Code:
chisq.test(table(bonusRecieved, companySize))
Output:
Pearson's Chi-squared test
data: table(bonusRecieved, companySize)
X-squared = 77.314, df = 3, p-value < 2.2e-16
```