> # Create a new data frame selecting only "class" and "gunlaw":

> gun\_cls\_2016 <- GSS2016 %>%

+ select(class, gunlaw) %>%

+ filter(!is.na(class)) %>%

+ filter(!is.na(gunlaw))

Warning message:

package ‘bindrcpp’ was built under R version 3.4.4

> # we're going to create a table from

> table\_1 <- table(gun\_cls\_2016$gunlaw, gun\_cls\_2016$class) %>%

+ print()

lower class middle class upper class working class

favor 125 555 39 604

oppose 48 194 6 273

> # Generating the cross-tab and chi-square analysis

> oii.xtab(table\_1, col = TRUE, row = TRUE,stats = TRUE,

+ varnames = c("Class", "View on Gun Laws"))

Cross-tabulation of Class (rows) and View on Gun Laws (cols)

Cell Contents

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

| Count |

| Row Percent |

| Column Percent |

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

Total Observations in Table: 1844

|

| lower class | middle class | upper class | working class | Row Total |

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

favor | 125 | 555 | 39 | 604 | 1323 |

| 9.45% | 41.95% | 2.95% | 45.65% | 71.75% |

| 72.25% | 74.10% | 86.67% | 68.87% | |

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

oppose | 48 | 194 | 6 | 273 | 521 |

| 9.21% | 37.24% | 1.15% | 52.40% | 28.25% |

| 27.75% | 25.90% | 13.33% | 31.13% | |

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

Column Total | 173 | 749 | 45 | 877 | 1844 |

| 9.38% | 40.62% | 2.44% | 47.56% | |

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

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 10.5852 d.f. = 3 p = 0.01419394

Minimum expected frequency: 12.71421

Unable to find any JVMs matching version "(null)".

No Java runtime present, try --request to install.

Likelihood ratio chi-square: NaN df: NaN p-value: NaN

Chi-square-based measures of association:

Phi: 0.076

Contingency coefficient: 0.076

Cramer's V: 0.076

Ordinal measures of association:

Total number of pairs: 1699246

Concordant pairs: 224617 ( 13.22 %)

Discordant pairs: 185870 ( 10.94 %)

Tied on first variable: 608639 ( 35.82 %)

Tied on second variable: 278796 ( 16.41 %)

Tied on both variables: 401324 ( 23.62 %)

Goodman-Kruskal Gamma: 0.094

Somers' d (col dep.): 0.056

Kendall's tau-b: 0.046

Stuart's tau-c: 0.046

Goodman-Kruskal Lambda:

Row dependent: 0.000

Column dependent: 0.000

Warning message:

running command '/usr/libexec/java\_home' had status 1