> # Import GSS 2006 Data

> GSS2006 <- read\_csv("GSS\_2006.csv")

Parsed with column specification:

cols(

.default = col\_character(),

prestg10 = col\_integer(),

prestg105plus = col\_integer(),

sppres10 = col\_integer(),

sppres105plus = col\_integer(),

papres10 = col\_integer(),

papres105plus = col\_integer(),

mapres10 = col\_integer(),

mapres105plus = col\_integer(),

sei10 = col\_double(),

spsei10 = col\_double(),

pasei10 = col\_double(),

masei10 = col\_double(),

sei10educ = col\_double(),

spsei10educ = col\_double(),

pasei10educ = col\_double(),

masei10educ = col\_double(),

sei10inc = col\_double(),

spsei10inc = col\_double(),

pasei10inc = col\_double(),

masei10inc = col\_double()

# ... with 110 more columns

)

See spec(...) for full column specifications.

Warning: 7 parsing failures.

row # A tibble: 5 x 5 col row col expected actual file expected <int> <chr> <chr> <chr> <chr> actual 1 1722 physhlth an integer DONT KNOW 'GSS\_2006.csv' file 2 2958 prozfor1 an integer DONT KNOW 'GSS\_2006.csv' row 3 3164 adults no trailing characters " or more" 'GSS\_2006.csv' col 4 3170 sphrs2 no trailing characters + hrs 'GSS\_2006.csv' expected 5 3246 physhlth an integer DONT KNOW 'GSS\_2006.csv'

... ................................. ... ................................................................. ........ ....................................... [... truncated]

Warning message:

In rbind(names(probs), probs\_f) :

number of columns of result is not a multiple of vector length (arg 1)

> gun\_cls\_2006 <- GSS2006 %>%

+ select(class, gunlaw) %>%

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

+ filter(!is.na(gunlaw))

Warning message:

package ‘bindrcpp’ was built under R version 3.4.4

> table\_1 <- table(gun\_cls\_2006$gunlaw, gun\_cls\_2006$class) %>%

+ print()

lower class middle class upper class working class

favor 77 727 48 709

oppose 31 161 12 186

> # 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: 1951

|

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

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

favor | 77 | 727 | 48 | 709 | 1561 |

| 4.93% | 46.57% | 3.07% | 45.42% | 80.01% |

| 71.30% | 81.87% | 80.00% | 79.22% | |

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

oppose | 31 | 161 | 12 | 186 | 390 |

| 7.95% | 41.28% | 3.08% | 47.69% | 19.99% |

| 28.70% | 18.13% | 20.00% | 20.78% | |

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

Column Total | 108 | 888 | 60 | 895 | 1951 |

| 5.54% | 45.52% | 3.08% | 45.87% | |

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

Statistics for All Table Factors

Pearson's Chi-squared test

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

Chi^2 = 7.397792 d.f. = 3 p = 0.06024361

Minimum expected frequency: 11.99385

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: 0.062

Contingency coefficient: 0.061

Cramer's V: 0.062

Ordinal measures of association:

Total number of pairs: 1902225

Concordant pairs: 180517 ( 9.49 %)

Discordant pairs: 176389 ( 9.27 %)

Tied on first variable: 743878 ( 39.11 %)

Tied on second variable: 251884 ( 13.24 %)

Tied on both variables: 549557 ( 28.89 %)

Goodman-Kruskal Gamma: 0.012

Somers' d (col dep.): 0.007

Kendall's tau-b: 0.005

Stuart's tau-c: 0.004

Goodman-Kruskal Lambda:

Row dependent: 0.000

Column dependent: 0.017

Warning message:

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