Analysis-EPF-SelectedData

Setup

Enviroment Setup

```
odf <- read.csv('./cleandata.csv')
library('caret')
```

```
## Loading required package: lattice
```

```
## Loading required package: ggplot2
```

```
#setwd('~/Desktop/andlab/code')
```

Function Define

```r
process <- function(df, reg, upr, plot=FALSE){

  newdf <- data.frame('y' = df$aggressive_sumscore)
  newdf$fitted <- reg$fitted.values

  newdf$class <- ifelse(newdf$y <= (-2.020650971), 'L', ifelse(newdf$y>(upr),'M','H')
)
  #change == -2.020650971 to change <= -2.020650971 to solve prediction for 0 is 0
  newdf$pred_class <-ifelse(newdf$fitted <= (-2.020650971), 'L', ifelse(newdf$fitted>
(upr),'M','H'))

  print(mean(newdf$pred_class == newdf$class))
  #cm <- confusionMatrix(factor(newdf$pred_class, levels = 0:2), factor(newdf$class,
levels = 0:2) )
  cm <- confusionMatrix(table(newdf$class,newdf$pred_class))
  if(plot)
  {
    par(mfrow = c(2, 2))
    plot(reg)
  }
  return(cm=cm)
}

process_2_level <- function(df, reg, plot=FALSE){

  newdf <- data.frame('y' = df$aggressive_sumscore)
  newdf$fitted <- reg$fitted.values

  newdf$class <- ifelse(newdf$y <= (-2.020650971), 'L', 'H')
  #change == -2.020650971 to change <= -2.020650971 to solve prediction for 0 is 0
  newdf$pred_class <-ifelse(newdf$fitted <= (-2.020650971), 'L', 'H')

  print(mean(newdf$pred_class == newdf$class))
  #cm <- confusionMatrix(factor(newdf$pred_class, levels = 0:2), factor(newdf$class,
levels = 0:2) )
  cm <- confusionMatrix(table(newdf$class,newdf$pred_class))
  if(plot)
  {
    par(mfrow = c(2, 2))
    plot(reg)
  }
  return(cm=cm)
}
```

Analysis W/ Selected Data, Selected Attributes

```
df <- read.csv('cleandata.csv')
odf<- df[(df$aggressive_sumscore  <= (-2.020650971)) | (df$aggressive_sumscore  >= (0
.2168869)), ]
odf$y <- ifelse(odf$aggressive_sumscore <= (-2.020650971), 0, 1)
df <- subset(odf, select=-c(X, prosocial_child, prosocial_parent, interview_date, int
erview_age, subjectkey, asr_scr_perstr_t, asr_scr_somaticpr_t, asr_scr_inattention_t,
 crpbi_bothcare, kbi_p_c_best_friend, kbi_p_c_reg_friend_group, macv_p_ss_fs, macv_p_
ss_fo, macv_p_ss_isr,macv_p_ss_fr, macv_p_ss_r, demo_prnt_age_v2, demo_prnt_marital_v
2, demo_comb_income_v2, demo_yrs_1, demo_yrs_2, parent_rules_q1, parent_rules_q4, par
ent_rules_q7, su_risk_p_1, su_risk_p_2_3, su_risk_p_4_5, aggressive_sumscore))
```

Logistic Regression Model Selection

```
glm.fit <- glm(y ~ ., data = df, family = binomial)
```

Result

```
summary(glm.fit)
```

```
##
## Call:
## glm(formula = y ~ ., family = binomial, data = df)
##
## Deviance Residuals:
##     Min       1Q    Median        3Q       Max
## -3.1966  -0.6086   -0.3139    0.5083    2.9611
##
## Coefficients:
##                         Estimate Std. Error z value Pr(>|z|)
## (Intercept)           -5.9587229  1.1936479  -4.992 5.97e-07 ***
## asr_scr_anxdep_t      -0.0407288  0.0168701  -2.414 0.015767 *
## asr_scr_withdrawn_t    0.0018197  0.0131885   0.138 0.890262
## asr_scr_somatic_t      0.0240988  0.0098926   2.436 0.014849 *
## asr_scr_thought_t      0.0238496  0.0104061   2.292 0.021912 *
## asr_scr_attention_t    0.0275056  0.0177651   1.548 0.121552
## asr_scr_aggressive_t  -0.0521093  0.0161695  -3.223 0.001270 **
## asr_scr_rulebreak_t   -0.0473661  0.0133176  -3.557 0.000376 ***
## asr_scr_intrusive_t   -0.0151079  0.0127264  -1.187 0.235178
## asr_scr_internal_t    -0.0009307  0.0160581  -0.058 0.953783
## asr_scr_external_t     0.0658163  0.0131035   5.023 5.09e-07 ***
## asr_scr_totprob_t      0.0510726  0.0214937   2.376 0.017494 *
## asr_scr_depress_t     -0.0072961  0.0126711  -0.576 0.564742
## asr_scr_anxdisord_t    0.0149776  0.0110773   1.352 0.176343
## asr_scr_avoidant_t     0.0126432  0.0116545   1.085 0.277992
## asr_scr_adhd_t        -0.0300952  0.0211681  -1.422 0.155106
```

```
## asr_scr_antisocial_t    0.0180752  0.0155093    1.165 0.243842
## asr_scr_hyperactive_t   0.0292459  0.0179027    1.634 0.102342
## parent_monitor_y       -0.1126459  0.0732938   -1.537 0.124315
## kbi_p_conflict          2.1504558  0.0919169   23.396  < 2e-16 ***
## kbi_p_c_bully           0.9643048  0.0978819    9.852  < 2e-16 ***
## kbi_p_c_mh_sa           1.2268158  0.0891601   13.760  < 2e-16 ***
## fes_youth               0.1243766  0.0186389    6.673 2.51e-11 ***
## fes_p_ss_fc_pr          0.1348764  0.0197207    6.839 7.96e-12 ***
## demo_fam_exp            0.5550889  0.0903378    6.145 8.02e-10 ***
## neighborhood1_2_3_p    -0.1332947  0.0388957   -3.427 0.000610 ***
## neighborhood_crime_y   -0.1328286  0.0341945   -3.885 0.000103 ***
## sexM                    0.4389579  0.0706803    6.210 5.28e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 8804.4  on 6593  degrees of freedom
## Residual deviance: 5294.4  on 6566  degrees of freedom
## AIC: 5350.4
##
## Number of Fisher Scoring iterations: 5
```

```
cm <- confusionMatrix(table(as.numeric(glm.fit$fitted.values>0.5), df$y))
print(cm)
```

```
## Confusion Matrix and Statistics
##
##
##          0     1
##    0  3592   750
##    1   447  1805
##
##                  Accuracy : 0.8185
##                    95% CI : (0.809, 0.8277)
##       No Information Rate : 0.6125
##       P-Value [Acc > NIR] : < 2.2e-16
##
##                     Kappa : 0.6091
##
##    Mcnemar's Test P-Value : < 2.2e-16
##
##               Sensitivity : 0.8893
##               Specificity : 0.7065
##            Pos Pred Value : 0.8273
##            Neg Pred Value : 0.8015
##                Prevalence : 0.6125
##            Detection Rate : 0.5447
##      Detection Prevalence : 0.6585
##         Balanced Accuracy : 0.7979
##
##          'Positive' Class : 0
##
```

```
print(cm$byClass)
```

```
##          Sensitivity             Specificity          Pos Pred Value
##            0.8893290               0.7064579               0.8272685
##       Neg Pred Value               Precision                  Recall
##            0.8015098               0.8272685               0.8893290
##                   F1              Prevalence          Detection Rate
##            0.8571769               0.6125265               0.5447376
## Detection Prevalence       Balanced Accuracy
##            0.6584774               0.7978935
```

Logistic Regression W/ Interaction Model Selection

```
glm.fit <- glm(y ~ . + .^2, data = df, family = binomial)
```

Result

```
summary(glm.fit)
```

```
##
## Call:
## glm(formula = y ~ . + .^2, family = binomial, data = df)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -3.5657  -0.5566  -0.2816   0.4038   2.9924
##
## Coefficients:
##                                          Estimate Std. Error z value
## (Intercept)                             7.045e+01  3.600e+01   1.957
## asr_scr_anxdep_t                        2.147e-01  7.071e-01   0.304
## asr_scr_withdrawn_t                    -5.302e-01  5.297e-01  -1.001
## asr_scr_somatic_t                      -2.851e-01  4.257e-01  -0.670
## asr_scr_thought_t                      -9.148e-01  4.126e-01  -2.217
## asr_scr_attention_t                    -1.136e+00  6.987e-01  -1.626
## asr_scr_aggressive_t                   -7.002e-01  6.616e-01  -1.058
## asr_scr_rulebreak_t                    -4.376e-01  5.126e-01  -0.854
## asr_scr_intrusive_t                    -1.297e+00  4.778e-01  -2.714
## asr_scr_internal_t                     -2.356e+00  7.543e-01  -3.124
## asr_scr_external_t                     -5.264e-01  6.887e-01  -0.764
## asr_scr_totprob_t                       3.811e+00  9.565e-01   3.984
## asr_scr_depress_t                       2.376e-01  5.519e-01   0.431
## asr_scr_anxdisord_t                     1.073e-01  5.130e-01   0.209
## asr_scr_avoidant_t                     -6.132e-02  4.939e-01  -0.124
## asr_scr_adhd_t                          5.089e-01  8.687e-01   0.586
## asr_scr_antisocial_t                    4.351e-01  6.421e-01   0.678
## asr_scr_hyperactive_t                   9.472e-01  7.408e-01   1.279
## parent_monitor_y                       -1.372e+00  2.956e+00  -0.464
## kbi_p_conflict                         -1.181e+00  4.046e+00  -0.292
## kbi_p_c_bully                          -2.984e-01  3.869e+00  -0.077
## kbi_p_c_mh_sa                          -7.821e-01  4.054e+00  -0.193
## fes_youth                               6.340e-01  7.724e-01   0.821
## fes_p_ss_fc_pr                         -2.398e+00  7.840e-01  -3.059
## demo_fam_exp                            2.279e-01  3.524e+00   0.065
## neighborhood1_2_3_p                    -3.735e+00  1.578e+00  -2.367
## neighborhood_crime_y                    1.388e+00  1.374e+00   1.010
## sexM                                   -2.615e+00  2.945e+00  -0.888
## asr_scr_anxdep_t:asr_scr_withdrawn_t   -6.395e-03  6.420e-03  -0.996
## asr_scr_anxdep_t:asr_scr_somatic_t     -7.025e-03  3.929e-03  -1.788
## asr_scr_anxdep_t:asr_scr_thought_t     -2.465e-03  5.282e-03  -0.467
## asr_scr_anxdep_t:asr_scr_attention_t   -1.825e-03  9.476e-03  -0.193
## asr_scr_anxdep_t:asr_scr_aggressive_t   2.610e-03  9.424e-03   0.277
## asr_scr_anxdep_t:asr_scr_rulebreak_t   -2.528e-03  6.918e-03  -0.365
```

```
## asr_scr_anxdep_t:asr_scr_intrusive_t        4.917e-03   7.304e-03    0.673
## asr_scr_anxdep_t:asr_scr_internal_t         5.245e-03   1.018e-02    0.515
## asr_scr_anxdep_t:asr_scr_external_t        -1.268e-02   8.569e-03   -1.480
## asr_scr_anxdep_t:asr_scr_totprob_t          1.170e-02   1.673e-02    0.699
## asr_scr_anxdep_t:asr_scr_depress_t          1.369e-02   5.585e-03    2.451
## asr_scr_anxdep_t:asr_scr_anxdisord_t       -4.223e-03   5.454e-03   -0.774
## asr_scr_anxdep_t:asr_scr_avoidant_t        -5.320e-03   6.690e-03   -0.795
## asr_scr_anxdep_t:asr_scr_adhd_t            -3.882e-03   1.138e-02   -0.341
## asr_scr_anxdep_t:asr_scr_antisocial_t       8.646e-03   7.678e-03    1.126
## asr_scr_anxdep_t:asr_scr_hyperactive_t     -7.156e-03   9.516e-03   -0.752
## asr_scr_anxdep_t:parent_monitor_y          -3.850e-02   4.244e-02   -0.907
## asr_scr_anxdep_t:kbi_p_conflict             1.292e-01   5.693e-02    2.268
## asr_scr_anxdep_t:kbi_p_c_bully              1.154e-01   5.592e-02    2.064
## asr_scr_anxdep_t:kbi_p_c_mh_sa              3.251e-02   5.499e-02    0.591
## asr_scr_anxdep_t:fes_youth                  7.529e-03   1.078e-02    0.699
## asr_scr_anxdep_t:fes_p_ss_fc_pr             1.783e-03   1.029e-02    0.173
## asr_scr_anxdep_t:demo_fam_exp              -4.758e-02   4.922e-02   -0.967
## asr_scr_anxdep_t:neighborhood1_2_3_p        1.947e-03   2.250e-02    0.087
## asr_scr_anxdep_t:neighborhood_crime_y       1.971e-02   2.042e-02    0.965
## asr_scr_anxdep_t:sexM                      -2.753e-02   4.023e-02   -0.684
## asr_scr_withdrawn_t:asr_scr_somatic_t      -1.982e-03   4.168e-03   -0.476
## asr_scr_withdrawn_t:asr_scr_thought_t       6.382e-03   3.573e-03    1.786
## asr_scr_withdrawn_t:asr_scr_attention_t     2.086e-02   7.655e-03    2.725
## asr_scr_withdrawn_t:asr_scr_aggressive_t   -7.623e-03   6.541e-03   -1.165
## asr_scr_withdrawn_t:asr_scr_rulebreak_t    -2.752e-03   5.366e-03   -0.513
## asr_scr_withdrawn_t:asr_scr_intrusive_t     1.454e-02   6.358e-03    2.287
## asr_scr_withdrawn_t:asr_scr_internal_t      1.279e-02   9.303e-03    1.375
## asr_scr_withdrawn_t:asr_scr_external_t      5.008e-03   6.244e-03    0.802
## asr_scr_withdrawn_t:asr_scr_totprob_t      -2.345e-02   1.296e-02   -1.809
## asr_scr_withdrawn_t:asr_scr_depress_t       2.210e-03   4.984e-03    0.443
## asr_scr_withdrawn_t:asr_scr_anxdisord_t    -2.589e-03   4.316e-03   -0.600
## asr_scr_withdrawn_t:asr_scr_avoidant_t      1.045e-03   3.282e-03    0.318
## asr_scr_withdrawn_t:asr_scr_adhd_t         -1.364e-02   8.556e-03   -1.594
## asr_scr_withdrawn_t:asr_scr_antisocial_t   -8.556e-05   6.173e-03   -0.014
## asr_scr_withdrawn_t:asr_scr_hyperactive_t   1.479e-04   7.535e-03    0.020
## asr_scr_withdrawn_t:parent_monitor_y        3.705e-02   3.095e-02    1.197
## asr_scr_withdrawn_t:kbi_p_conflict          2.410e-02   4.349e-02    0.554
## asr_scr_withdrawn_t:kbi_p_c_bully           1.243e-02   3.968e-02    0.313
## asr_scr_withdrawn_t:kbi_p_c_mh_sa           3.586e-02   4.247e-02    0.844
## asr_scr_withdrawn_t:fes_youth               1.835e-03   8.580e-03    0.214
## asr_scr_withdrawn_t:fes_p_ss_fc_pr         -6.221e-04   8.176e-03   -0.076
## asr_scr_withdrawn_t:demo_fam_exp            6.489e-02   3.738e-02    1.736
## asr_scr_withdrawn_t:neighborhood1_2_3_p    -2.553e-02   1.654e-02   -1.544
## asr_scr_withdrawn_t:neighborhood_crime_y    1.882e-02   1.453e-02    1.296
## asr_scr_withdrawn_t:sexM                    7.072e-02   3.238e-02    2.184
## asr_scr_somatic_t:asr_scr_thought_t         1.071e-03   3.280e-03    0.327
## asr_scr_somatic_t:asr_scr_attention_t       5.321e-03   5.855e-03    0.909
```

```
## asr_scr_somatic_t:asr_scr_aggressive_t      4.909e-03   5.438e-03    0.903
## asr_scr_somatic_t:asr_scr_rulebreak_t      -3.584e-04   4.230e-03   -0.085
## asr_scr_somatic_t:asr_scr_intrusive_t       6.251e-03   4.461e-03    1.402
## asr_scr_somatic_t:asr_scr_internal_t        2.129e-03   4.706e-03    0.452
## asr_scr_somatic_t:asr_scr_external_t       -3.656e-03   4.423e-03   -0.826
## asr_scr_somatic_t:asr_scr_totprob_t        -5.912e-03   8.047e-03   -0.735
## asr_scr_somatic_t:asr_scr_depress_t         7.742e-03   4.001e-03    1.935
## asr_scr_somatic_t:asr_scr_anxdisord_t       4.464e-03   4.033e-03    1.107
## asr_scr_somatic_t:asr_scr_avoidant_t        2.231e-03   4.471e-03    0.499
## asr_scr_somatic_t:asr_scr_adhd_t           -3.214e-03   6.820e-03   -0.471
## asr_scr_somatic_t:asr_scr_antisocial_t     -4.652e-03   4.845e-03   -0.960
## asr_scr_somatic_t:asr_scr_hyperactive_t    -3.114e-03   6.052e-03   -0.515
## asr_scr_somatic_t:parent_monitor_y         -2.717e-02   2.358e-02   -1.152
## asr_scr_somatic_t:kbi_p_conflict           -1.517e-03   3.274e-02   -0.046
## asr_scr_somatic_t:kbi_p_c_bully             5.386e-02   3.158e-02    1.706
## asr_scr_somatic_t:kbi_p_c_mh_sa            -1.947e-02   3.011e-02   -0.647
## asr_scr_somatic_t:fes_youth                -8.329e-03   6.001e-03   -1.388
## asr_scr_somatic_t:fes_p_ss_fc_pr            1.226e-02   6.278e-03    1.954
## asr_scr_somatic_t:demo_fam_exp              3.630e-02   2.915e-02    1.245
## asr_scr_somatic_t:neighborhood1_2_3_p       2.862e-02   1.291e-02    2.218
## asr_scr_somatic_t:neighborhood_crime_y      4.736e-03   1.125e-02    0.421
## asr_scr_somatic_t:sexM                     -4.163e-02   2.334e-02   -1.783
## asr_scr_thought_t:asr_scr_attention_t      -4.175e-03   5.357e-03   -0.779
## asr_scr_thought_t:asr_scr_aggressive_t      7.590e-03   5.555e-03    1.366
## asr_scr_thought_t:asr_scr_rulebreak_t       3.056e-03   4.255e-03    0.718
## asr_scr_thought_t:asr_scr_intrusive_t       1.520e-03   4.289e-03    0.354
## asr_scr_thought_t:asr_scr_internal_t        3.382e-03   6.269e-03    0.539
## asr_scr_thought_t:asr_scr_external_t       -5.343e-03   5.250e-03   -1.018
## asr_scr_thought_t:asr_scr_totprob_t        -4.882e-03   8.970e-03   -0.544
## asr_scr_thought_t:asr_scr_depress_t         1.199e-03   3.728e-03    0.322
## asr_scr_thought_t:asr_scr_anxdisord_t       2.811e-03   3.241e-03    0.868
## asr_scr_thought_t:asr_scr_avoidant_t       -3.669e-03   3.435e-03   -1.068
## asr_scr_thought_t:asr_scr_adhd_t            1.169e-03   6.440e-03    0.181
## asr_scr_thought_t:asr_scr_antisocial_t      2.520e-03   5.033e-03    0.501
## asr_scr_thought_t:asr_scr_hyperactive_t     4.223e-03   5.470e-03    0.772
## asr_scr_thought_t:parent_monitor_y          8.612e-03   2.536e-02    0.340
## asr_scr_thought_t:kbi_p_conflict            6.902e-02   3.839e-02    1.798
## asr_scr_thought_t:kbi_p_c_bully            -1.165e-02   3.294e-02   -0.354
## asr_scr_thought_t:kbi_p_c_mh_sa             3.220e-02   3.458e-02    0.931
## asr_scr_thought_t:fes_youth                -2.539e-03   6.631e-03   -0.383
## asr_scr_thought_t:fes_p_ss_fc_pr            2.146e-03   6.585e-03    0.326
## asr_scr_thought_t:demo_fam_exp             -1.890e-02   2.921e-02   -0.647
## asr_scr_thought_t:neighborhood1_2_3_p       1.285e-02   1.374e-02    0.935
## asr_scr_thought_t:neighborhood_crime_y     -3.491e-03   1.115e-02   -0.313
## asr_scr_thought_t:sexM                     -2.033e-02   2.561e-02   -0.794
## asr_scr_attention_t:asr_scr_aggressive_t   -1.669e-03   9.406e-03   -0.177
## asr_scr_attention_t:asr_scr_rulebreak_t     1.378e-02   7.487e-03    1.841
```

```
## asr_scr_attention_t:asr_scr_intrusive_t       1.478e-02  7.221e-03   2.046
## asr_scr_attention_t:asr_scr_internal_t        7.774e-03  8.694e-03   0.894
## asr_scr_attention_t:asr_scr_external_t        2.003e-03  7.169e-03   0.279
## asr_scr_attention_t:asr_scr_totprob_t        -1.228e-02  1.138e-02  -1.079
## asr_scr_attention_t:asr_scr_depress_t         5.859e-03  6.883e-03   0.851
## asr_scr_attention_t:asr_scr_anxdisord_t      -3.909e-03  5.808e-03  -0.673
## asr_scr_attention_t:asr_scr_avoidant_t       -1.264e-02  6.589e-03  -1.918
## asr_scr_attention_t:asr_scr_adhd_t           -4.756e-03  4.532e-03  -1.049
## asr_scr_attention_t:asr_scr_antisocial_t     -1.110e-02  8.412e-03  -1.319
## asr_scr_attention_t:asr_scr_hyperactive_t     2.544e-03  6.837e-03   0.372
## asr_scr_attention_t:parent_monitor_y         -9.746e-03  4.493e-02  -0.217
## asr_scr_attention_t:kbi_p_conflict            1.749e-02  5.657e-02   0.309
## asr_scr_attention_t:kbi_p_c_bully            -5.148e-02  5.991e-02  -0.859
## asr_scr_attention_t:kbi_p_c_mh_sa             1.197e-01  5.640e-02   2.123
## asr_scr_attention_t:fes_youth                 1.500e-02  1.154e-02   1.300
## asr_scr_attention_t:fes_p_ss_fc_pr            1.964e-02  1.150e-02   1.708
## asr_scr_attention_t:demo_fam_exp             -8.025e-02  5.372e-02  -1.494
## asr_scr_attention_t:neighborhood1_2_3_p       6.658e-03  2.346e-02   0.284
## asr_scr_attention_t:neighborhood_crime_y     -6.129e-03  2.056e-02  -0.298
## asr_scr_attention_t:sexM                      8.209e-03  4.148e-02   0.198
## asr_scr_aggressive_t:asr_scr_rulebreak_t      1.544e-03  4.685e-03   0.330
## asr_scr_aggressive_t:asr_scr_intrusive_t      4.901e-03  5.330e-03   0.920
## asr_scr_aggressive_t:asr_scr_internal_t       1.634e-02  9.642e-03   1.695
## asr_scr_aggressive_t:asr_scr_external_t       6.144e-03  6.262e-03   0.981
## asr_scr_aggressive_t:asr_scr_totprob_t       -2.225e-02  1.478e-02  -1.506
## asr_scr_aggressive_t:asr_scr_depress_t        2.787e-03  6.515e-03   0.428
## asr_scr_aggressive_t:asr_scr_anxdisord_t     -9.985e-03  6.127e-03  -1.630
## asr_scr_aggressive_t:asr_scr_avoidant_t       8.755e-03  6.002e-03   1.459
## asr_scr_aggressive_t:asr_scr_adhd_t           2.169e-03  1.111e-02   0.195
## asr_scr_aggressive_t:asr_scr_antisocial_t    -1.865e-03  7.244e-03  -0.257
## asr_scr_aggressive_t:asr_scr_hyperactive_t   -3.587e-03  9.994e-03  -0.359
## asr_scr_aggressive_t:parent_monitor_y        -9.442e-03  4.077e-02  -0.232
## asr_scr_aggressive_t:kbi_p_conflict          -2.683e-02  4.824e-02  -0.556
## asr_scr_aggressive_t:kbi_p_c_bully           -1.322e-01  5.114e-02  -2.585
## asr_scr_aggressive_t:kbi_p_c_mh_sa           -1.399e-01  4.566e-02  -3.064
## asr_scr_aggressive_t:fes_youth               -6.089e-03  9.843e-03  -0.619
## asr_scr_aggressive_t:fes_p_ss_fc_pr           1.955e-02  1.014e-02   1.927
## asr_scr_aggressive_t:demo_fam_exp            -3.900e-02  4.814e-02  -0.810
## asr_scr_aggressive_t:neighborhood1_2_3_p      1.413e-02  2.073e-02   0.682
## asr_scr_aggressive_t:neighborhood_crime_y    -8.039e-03  1.785e-02  -0.450
## asr_scr_aggressive_t:sexM                    -3.481e-02  3.798e-02  -0.916
## asr_scr_rulebreak_t:asr_scr_intrusive_t      -7.285e-03  4.648e-03  -1.567
## asr_scr_rulebreak_t:asr_scr_internal_t        1.725e-02  8.570e-03   2.013
## asr_scr_rulebreak_t:asr_scr_external_t        5.483e-03  6.767e-03   0.810
## asr_scr_rulebreak_t:asr_scr_totprob_t        -2.590e-02  1.372e-02  -1.888
## asr_scr_rulebreak_t:asr_scr_depress_t        -1.620e-03  5.118e-03  -0.317
## asr_scr_rulebreak_t:asr_scr_anxdisord_t       1.066e-03  4.483e-03   0.238
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## asr_scr_rulebreak_t:asr_scr_avoidant_t       2.646e-03   5.028e-03    0.526
## asr_scr_rulebreak_t:asr_scr_adhd_t          -9.743e-03   8.237e-03   -1.183
## asr_scr_rulebreak_t:asr_scr_antisocial_t     1.386e-03   4.204e-03    0.330
## asr_scr_rulebreak_t:asr_scr_hyperactive_t    8.518e-03   7.213e-03    1.181
## asr_scr_rulebreak_t:parent_monitor_y        -1.686e-02   3.275e-02   -0.515
## asr_scr_rulebreak_t:kbi_p_conflict          -6.813e-02   4.030e-02   -1.691
## asr_scr_rulebreak_t:kbi_p_c_bully           -1.970e-02   4.269e-02   -0.462
## asr_scr_rulebreak_t:kbi_p_c_mh_sa           -3.290e-02   4.328e-02   -0.760
## asr_scr_rulebreak_t:fes_youth               -1.371e-02   8.092e-03   -1.694
## asr_scr_rulebreak_t:fes_p_ss_fc_pr           2.399e-02   8.660e-03    2.770
## asr_scr_rulebreak_t:demo_fam_exp            -4.717e-02   3.734e-02   -1.263
## asr_scr_rulebreak_t:neighborhood1_2_3_p      1.553e-02   1.645e-02    0.944
## asr_scr_rulebreak_t:neighborhood_crime_y     2.241e-02   1.516e-02    1.479
## asr_scr_rulebreak_t:sexM                    -2.593e-02   3.074e-02   -0.843
## asr_scr_intrusive_t:asr_scr_internal_t      -5.808e-04   7.464e-03   -0.078
## asr_scr_intrusive_t:asr_scr_external_t       1.634e-03   7.136e-03    0.229
## asr_scr_intrusive_t:asr_scr_totprob_t       -6.366e-03   1.303e-02   -0.489
## asr_scr_intrusive_t:asr_scr_depress_t       -6.774e-03   5.483e-03   -1.235
## asr_scr_intrusive_t:asr_scr_anxdisord_t     -4.948e-03   4.840e-03   -1.022
## asr_scr_intrusive_t:asr_scr_avoidant_t      -3.374e-03   5.907e-03   -0.571
## asr_scr_intrusive_t:asr_scr_adhd_t          -1.389e-02   8.627e-03   -1.610
## asr_scr_intrusive_t:asr_scr_antisocial_t     4.751e-03   6.278e-03    0.757
## asr_scr_intrusive_t:asr_scr_hyperactive_t    7.304e-03   7.364e-03    0.992
## asr_scr_intrusive_t:parent_monitor_y         6.032e-02   3.275e-02    1.842
## asr_scr_intrusive_t:kbi_p_conflict          -2.172e-02   4.309e-02   -0.504
## asr_scr_intrusive_t:kbi_p_c_bully            3.321e-02   4.263e-02    0.779
## asr_scr_intrusive_t:kbi_p_c_mh_sa            2.102e-02   4.479e-02    0.469
## asr_scr_intrusive_t:fes_youth               -1.899e-03   8.770e-03   -0.216
## asr_scr_intrusive_t:fes_p_ss_fc_pr           4.633e-03   8.685e-03    0.533
## asr_scr_intrusive_t:demo_fam_exp            -3.077e-02   4.141e-02   -0.743
## asr_scr_intrusive_t:neighborhood1_2_3_p      3.706e-02   1.756e-02    2.111
## asr_scr_intrusive_t:neighborhood_crime_y    -3.101e-02   1.583e-02   -1.959
## asr_scr_intrusive_t:sexM                     1.414e-03   3.142e-02    0.045
## asr_scr_internal_t:asr_scr_external_t       -6.119e-03   4.568e-03   -1.340
## asr_scr_internal_t:asr_scr_totprob_t         8.169e-04   3.337e-03    0.245
## asr_scr_internal_t:asr_scr_depress_t        -1.801e-02   9.675e-03   -1.861
## asr_scr_internal_t:asr_scr_anxdisord_t       4.475e-03   9.499e-03    0.471
## asr_scr_internal_t:asr_scr_avoidant_t       -9.940e-03   1.093e-02   -0.910
## asr_scr_internal_t:asr_scr_adhd_t           -5.242e-03   1.247e-02   -0.420
## asr_scr_internal_t:asr_scr_antisocial_t     -2.901e-03   9.467e-03   -0.306
## asr_scr_internal_t:asr_scr_hyperactive_t     1.305e-02   1.304e-02    1.001
## asr_scr_internal_t:parent_monitor_y          4.872e-02   3.882e-02    1.255
## asr_scr_internal_t:kbi_p_conflict            3.085e-02   4.656e-02    0.663
## asr_scr_internal_t:kbi_p_c_bully            -7.221e-02   5.289e-02   -1.365
## asr_scr_internal_t:kbi_p_c_mh_sa             5.927e-02   4.393e-02    1.349
## asr_scr_internal_t:fes_youth                 1.814e-02   9.469e-03    1.916
## asr_scr_internal_t:fes_p_ss_fc_pr           -1.461e-02   1.058e-02   -1.381
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## asr_scr_internal_t:demo_fam_exp              -6.359e-02   5.109e-02   -1.245
## asr_scr_internal_t:neighborhood1_2_3_p        4.737e-03   2.117e-02    0.224
## asr_scr_internal_t:neighborhood_crime_y      -1.241e-02   1.803e-02   -0.688
## asr_scr_internal_t:sexM                        6.180e-02   3.683e-02    1.678
## asr_scr_external_t:asr_scr_totprob_t           1.189e-02   4.254e-03    2.796
## asr_scr_external_t:asr_scr_depress_t           2.269e-03   6.383e-03    0.355
## asr_scr_external_t:asr_scr_anxdisord_t         1.075e-02   6.112e-03    1.758
## asr_scr_external_t:asr_scr_avoidant_t         -4.965e-03   5.308e-03   -0.935
## asr_scr_external_t:asr_scr_adhd_t             -5.607e-03   9.837e-03   -0.570
## asr_scr_external_t:asr_scr_antisocial_t       -9.083e-04   1.013e-02   -0.090
## asr_scr_external_t:asr_scr_hyperactive_t       4.099e-03   1.035e-02    0.396
## asr_scr_external_t:parent_monitor_y            2.707e-02   3.144e-02    0.861
## asr_scr_external_t:kbi_p_conflict              4.224e-02   3.775e-02    1.119
## asr_scr_external_t:kbi_p_c_bully              -6.145e-03   3.997e-02   -0.154
## asr_scr_external_t:kbi_p_c_mh_sa               1.061e-01   3.415e-02    3.107
## asr_scr_external_t:fes_youth                   7.440e-03   7.993e-03    0.931
## asr_scr_external_t:fes_p_ss_fc_pr             -1.181e-03   8.901e-03   -0.133
## asr_scr_external_t:demo_fam_exp                2.367e-02   3.751e-02    0.631
## asr_scr_external_t:neighborhood1_2_3_p         7.866e-03   1.701e-02    0.462
## asr_scr_external_t:neighborhood_crime_y       -1.063e-02   1.403e-02   -0.758
## asr_scr_external_t:sexM                        3.004e-02   2.928e-02    1.026
## asr_scr_totprob_t:asr_scr_depress_t            2.091e-03   1.363e-02    0.153
## asr_scr_totprob_t:asr_scr_anxdisord_t         -9.249e-03   1.223e-02   -0.757
## asr_scr_totprob_t:asr_scr_avoidant_t           1.107e-02   1.197e-02    0.925
## asr_scr_totprob_t:asr_scr_adhd_t               1.904e-02   1.842e-02    1.033
## asr_scr_totprob_t:asr_scr_antisocial_t        -8.385e-04   1.584e-02   -0.053
## asr_scr_totprob_t:asr_scr_hyperactive_t       -5.338e-03   1.827e-02   -0.292
## asr_scr_totprob_t:parent_monitor_y            -7.382e-02   5.308e-02   -1.391
## asr_scr_totprob_t:kbi_p_conflict              -7.478e-02   6.435e-02   -1.162
## asr_scr_totprob_t:kbi_p_c_bully                5.081e-02   6.849e-02    0.742
## asr_scr_totprob_t:kbi_p_c_mh_sa               -1.284e-01   6.079e-02   -2.112
## asr_scr_totprob_t:fes_youth                   -1.674e-02   1.276e-02   -1.312
## asr_scr_totprob_t:fes_p_ss_fc_pr              -7.292e-03   1.471e-02   -0.496
## asr_scr_totprob_t:demo_fam_exp                 3.508e-02   6.704e-02    0.523
## asr_scr_totprob_t:neighborhood1_2_3_p         -4.283e-02   2.891e-02   -1.482
## asr_scr_totprob_t:neighborhood_crime_y         2.550e-02   2.362e-02    1.080
## asr_scr_totprob_t:sexM                        -9.464e-02   4.948e-02   -1.913
## asr_scr_depress_t:asr_scr_anxdisord_t         -1.942e-03   3.588e-03   -0.541
## asr_scr_depress_t:asr_scr_avoidant_t           1.705e-03   4.086e-03    0.417
## asr_scr_depress_t:asr_scr_adhd_t              -8.854e-03   7.305e-03   -1.212
## asr_scr_depress_t:asr_scr_antisocial_t        -1.241e-03   5.572e-03   -0.223
## asr_scr_depress_t:asr_scr_hyperactive_t       -3.450e-03   6.237e-03   -0.553
## asr_scr_depress_t:parent_monitor_y            -1.108e-02   3.063e-02   -0.362
## asr_scr_depress_t:kbi_p_conflict              -1.434e-03   3.914e-02   -0.037
## asr_scr_depress_t:kbi_p_c_bully                4.771e-03   4.195e-02    0.114
## asr_scr_depress_t:kbi_p_c_mh_sa               -3.858e-02   4.034e-02   -0.956
## asr_scr_depress_t:fes_youth                   -9.721e-03   7.592e-03   -1.280
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## asr_scr_depress_t:fes_p_ss_fc_pr               -3.176e-03  7.740e-03  -0.410
## asr_scr_depress_t:demo_fam_exp                  9.045e-03  3.598e-02   0.251
## asr_scr_depress_t:neighborhood1_2_3_p          -6.711e-03  1.644e-02  -0.408
## asr_scr_depress_t:neighborhood_crime_y         -1.745e-02  1.472e-02  -1.186
## asr_scr_depress_t:sexM                          2.658e-02  2.948e-02   0.902
## asr_scr_anxdisord_t:asr_scr_avoidant_t          6.694e-03  3.370e-03   1.986
## asr_scr_anxdisord_t:asr_scr_adhd_t              7.820e-03  6.143e-03   1.273
## asr_scr_anxdisord_t:asr_scr_antisocial_t        3.129e-04  5.067e-03   0.062
## asr_scr_anxdisord_t:asr_scr_hyperactive_t      -7.039e-03  5.348e-03  -1.316
## asr_scr_anxdisord_t:parent_monitor_y            5.694e-02  2.888e-02   1.972
## asr_scr_anxdisord_t:kbi_p_conflict             -9.407e-02  3.601e-02  -2.613
## asr_scr_anxdisord_t:kbi_p_c_bully              -3.370e-02  3.492e-02  -0.965
## asr_scr_anxdisord_t:kbi_p_c_mh_sa               4.681e-03  3.490e-02   0.134
## asr_scr_anxdisord_t:fes_youth                  -3.838e-03  7.185e-03  -0.534
## asr_scr_anxdisord_t:fes_p_ss_fc_pr              4.682e-03  6.953e-03   0.673
## asr_scr_anxdisord_t:demo_fam_exp                4.688e-02  3.252e-02   1.442
## asr_scr_anxdisord_t:neighborhood1_2_3_p         2.030e-02  1.483e-02   1.369
## asr_scr_anxdisord_t:neighborhood_crime_y       -1.131e-02  1.343e-02  -0.842
## asr_scr_anxdisord_t:sexM                        1.675e-02  2.643e-02   0.634
## asr_scr_avoidant_t:asr_scr_adhd_t               1.192e-02  7.184e-03   1.659
## asr_scr_avoidant_t:asr_scr_antisocial_t        -2.389e-03  5.668e-03  -0.421
## asr_scr_avoidant_t:asr_scr_hyperactive_t       -7.004e-03  6.493e-03  -1.079
## asr_scr_avoidant_t:parent_monitor_y             3.778e-02  2.958e-02   1.277
## asr_scr_avoidant_t:kbi_p_conflict              -7.601e-03  3.763e-02  -0.202
## asr_scr_avoidant_t:kbi_p_c_bully               -9.395e-03  3.643e-02  -0.258
## asr_scr_avoidant_t:kbi_p_c_mh_sa               -6.037e-02  3.691e-02  -1.635
## asr_scr_avoidant_t:fes_youth                   -3.268e-03  7.634e-03  -0.428
## asr_scr_avoidant_t:fes_p_ss_fc_pr               1.375e-02  7.254e-03   1.895
## asr_scr_avoidant_t:demo_fam_exp                 4.321e-02  3.533e-02   1.223
## asr_scr_avoidant_t:neighborhood1_2_3_p          2.896e-02  1.595e-02   1.815
## asr_scr_avoidant_t:neighborhood_crime_y        -4.698e-03  1.376e-02  -0.341
## asr_scr_avoidant_t:sexM                        -1.596e-02  2.768e-02  -0.577
## asr_scr_adhd_t:asr_scr_antisocial_t             1.442e-02  8.952e-03   1.611
## asr_scr_adhd_t:asr_scr_hyperactive_t           -7.623e-04  3.599e-03  -0.212
## asr_scr_adhd_t:parent_monitor_y                 4.729e-02  5.502e-02   0.860
## asr_scr_adhd_t:kbi_p_conflict                   4.867e-02  6.840e-02   0.711
## asr_scr_adhd_t:kbi_p_c_bully                   -6.077e-02  7.101e-02  -0.856
## asr_scr_adhd_t:kbi_p_c_mh_sa                   -2.056e-01  6.831e-02  -3.009
## asr_scr_adhd_t:fes_youth                       -1.346e-02  1.376e-02  -0.979
## asr_scr_adhd_t:fes_p_ss_fc_pr                  -2.169e-02  1.377e-02  -1.575
## asr_scr_adhd_t:demo_fam_exp                     9.481e-02  6.617e-02   1.433
## asr_scr_adhd_t:neighborhood1_2_3_p             -2.141e-03  2.767e-02  -0.077
## asr_scr_adhd_t:neighborhood_crime_y             1.731e-02  2.555e-02   0.677
## asr_scr_adhd_t:sexM                             7.895e-02  5.111e-02   1.545
## asr_scr_antisocial_t:asr_scr_hyperactive_t     -9.018e-03  7.771e-03  -1.160
## asr_scr_antisocial_t:parent_monitor_y          -2.532e-02  3.840e-02  -0.659
## asr_scr_antisocial_t:kbi_p_conflict            -2.351e-02  4.805e-02  -0.489
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## asr_scr_antisocial_t:kbi_p_c_bully               6.395e-02  4.829e-02   1.324
## asr_scr_antisocial_t:kbi_p_c_mh_sa               3.658e-02  5.135e-02   0.712
## asr_scr_antisocial_t:fes_youth                   9.826e-03  9.457e-03   1.039
## asr_scr_antisocial_t:fes_p_ss_fc_pr            -1.596e-02  9.582e-03  -1.666
## asr_scr_antisocial_t:demo_fam_exp                4.455e-02  4.708e-02   0.946
## asr_scr_antisocial_t:neighborhood1_2_3_p       -1.734e-02  1.981e-02  -0.875
## asr_scr_antisocial_t:neighborhood_crime_y      -1.112e-02  1.737e-02  -0.640
## asr_scr_antisocial_t:sexM                        1.546e-02  3.647e-02   0.424
## asr_scr_hyperactive_t:parent_monitor_y         -9.374e-02  4.791e-02  -1.956
## asr_scr_hyperactive_t:kbi_p_conflict             2.194e-02  5.990e-02   0.366
## asr_scr_hyperactive_t:kbi_p_c_bully              1.060e-01  5.930e-02   1.787
## asr_scr_hyperactive_t:kbi_p_c_mh_sa              2.448e-01  5.962e-02   4.107
## asr_scr_hyperactive_t:fes_youth                  1.049e-02  1.145e-02   0.916
## asr_scr_hyperactive_t:fes_p_ss_fc_pr             3.317e-03  1.178e-02   0.282
## asr_scr_hyperactive_t:demo_fam_exp             -9.335e-02  5.536e-02  -1.686
## asr_scr_hyperactive_t:neighborhood1_2_3_p      -2.029e-02  2.368e-02  -0.857
## asr_scr_hyperactive_t:neighborhood_crime_y     -3.170e-02  2.324e-02  -1.364
## asr_scr_hyperactive_t:sexM                     -6.197e-03  4.409e-02  -0.141
## parent_monitor_y:kbi_p_conflict                -2.429e-01  2.259e-01  -1.075
## parent_monitor_y:kbi_p_c_bully                 -1.051e-01  2.229e-01  -0.471
## parent_monitor_y:kbi_p_c_mh_sa                 -4.111e-01  2.107e-01  -1.952
## parent_monitor_y:fes_youth                     -1.865e-03  4.081e-02  -0.046
## parent_monitor_y:fes_p_ss_fc_pr                 6.839e-04  4.575e-02   0.015
## parent_monitor_y:demo_fam_exp                   5.222e-01  2.033e-01   2.569
## parent_monitor_y:neighborhood1_2_3_p           -3.165e-02  9.013e-02  -0.351
## parent_monitor_y:neighborhood_crime_y           8.368e-02  7.249e-02   1.154
## parent_monitor_y:sexM                           1.099e-01  1.680e-01   0.654
## kbi_p_conflict:kbi_p_c_bully                   -4.915e-01  2.954e-01  -1.664
## kbi_p_conflict:kbi_p_c_mh_sa                    6.345e-02  2.680e-01   0.237
## kbi_p_conflict:fes_youth                        5.006e-02  5.474e-02   0.914
## kbi_p_conflict:fes_p_ss_fc_pr                   7.562e-02  5.834e-02   1.296
## kbi_p_conflict:demo_fam_exp                    -1.127e-01  2.847e-01  -0.396
## kbi_p_conflict:neighborhood1_2_3_p              3.396e-02  1.167e-01   0.291
## kbi_p_conflict:neighborhood_crime_y             1.304e-01  9.918e-02   1.314
## kbi_p_conflict:sexM                             1.617e-01  2.024e-01   0.799
## kbi_p_c_bully:kbi_p_c_mh_sa                    -2.972e-01  2.400e-01  -1.238
## kbi_p_c_bully:fes_youth                         4.655e-02  5.637e-02   0.826
## kbi_p_c_bully:fes_p_ss_fc_pr                   -7.886e-03  6.058e-02  -0.130
## kbi_p_c_bully:demo_fam_exp                     -6.210e-01  2.572e-01  -2.414
## kbi_p_c_bully:neighborhood1_2_3_p              -1.022e-01  1.125e-01  -0.908
## kbi_p_c_bully:neighborhood_crime_y              2.225e-01  9.753e-02   2.282
## kbi_p_c_bully:sexM                              9.745e-02  2.147e-01   0.454
## kbi_p_c_mh_sa:fes_youth                         5.198e-02  5.791e-02   0.898
## kbi_p_c_mh_sa:fes_p_ss_fc_pr                    2.070e-02  5.759e-02   0.360
## kbi_p_c_mh_sa:demo_fam_exp                      6.343e-02  2.694e-01   0.235
## kbi_p_c_mh_sa:neighborhood1_2_3_p              -1.023e-01  1.131e-01  -0.904
## kbi_p_c_mh_sa:neighborhood_crime_y              1.003e-01  9.775e-02   1.026
```

```
## kbi_p_c_mh_sa:sexM                              6.592e-01   2.058e-01    3.202
## fes_youth:fes_p_ss_fc_pr                       -1.393e-02   1.121e-02   -1.243
## fes_youth:demo_fam_exp                         -2.233e-02   5.255e-02   -0.425
## fes_youth:neighborhood1_2_3_p                  -1.855e-02   2.303e-02   -0.805
## fes_youth:neighborhood_crime_y                  6.420e-03   1.865e-02    0.344
## fes_youth:sexM                                  1.901e-02   4.158e-02    0.457
## fes_p_ss_fc_pr:demo_fam_exp                    -2.403e-02   5.546e-02   -0.433
## fes_p_ss_fc_pr:neighborhood1_2_3_p             2.101e-02   2.503e-02    0.840
## fes_p_ss_fc_pr:neighborhood_crime_y            1.261e-02   2.083e-02    0.605
## fes_p_ss_fc_pr:sexM                             3.985e-02   4.484e-02    0.889
## demo_fam_exp:neighborhood1_2_3_p               -5.321e-02   1.038e-01   -0.513
## demo_fam_exp:neighborhood_crime_y              -2.004e-02   8.888e-02   -0.226
## demo_fam_exp:sexM                              -1.094e-01   2.029e-01   -0.539
## neighborhood1_2_3_p:neighborhood_crime_y        9.832e-03   3.535e-02    0.278
## neighborhood1_2_3_p:sexM                       -8.454e-02   8.904e-02   -0.949
## neighborhood_crime_y:sexM                      -2.837e-02   7.596e-02   -0.373
##                                                Pr(>|z|)
## (Intercept)                                     0.05035 .
## asr_scr_anxdep_t                                0.76141
## asr_scr_withdrawn_t                             0.31685
## asr_scr_somatic_t                               0.50303
## asr_scr_thought_t                               0.02661 *
## asr_scr_attention_t                             0.10396
## asr_scr_aggressive_t                            0.28993
## asr_scr_rulebreak_t                             0.39322
## asr_scr_intrusive_t                             0.00665 **
## asr_scr_internal_t                              0.00178 **
## asr_scr_external_t                              0.44467
## asr_scr_totprob_t                              6.77e-05 ***
## asr_scr_depress_t                               0.66678
## asr_scr_anxdisord_t                             0.83434
## asr_scr_avoidant_t                              0.90119
## asr_scr_adhd_t                                  0.55804
## asr_scr_antisocial_t                            0.49802
## asr_scr_hyperactive_t                           0.20105
## parent_monitor_y                                0.64269
## kbi_p_conflict                                  0.77045
## kbi_p_c_bully                                   0.93852
## kbi_p_c_mh_sa                                   0.84701
## fes_youth                                       0.41173
## fes_p_ss_fc_pr                                  0.00222 **
## demo_fam_exp                                    0.94844
## neighborhood1_2_3_p                             0.01794 *
## neighborhood_crime_y                            0.31241
## sexM                                            0.37463
## asr_scr_anxdep_t:asr_scr_withdrawn_t            0.31925
## asr_scr_anxdep_t:asr_scr_somatic_t              0.07379 .
```

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## asr_scr_anxdep_t:asr_scr_thought_t               0.64080
## asr_scr_anxdep_t:asr_scr_attention_t             0.84724
## asr_scr_anxdep_t:asr_scr_aggressive_t            0.78181
## asr_scr_anxdep_t:asr_scr_rulebreak_t             0.71483
## asr_scr_anxdep_t:asr_scr_intrusive_t             0.50083
## asr_scr_anxdep_t:asr_scr_internal_t              0.60635
## asr_scr_anxdep_t:asr_scr_external_t              0.13881
## asr_scr_anxdep_t:asr_scr_totprob_t               0.48434
## asr_scr_anxdep_t:asr_scr_depress_t               0.01423 *
## asr_scr_anxdep_t:asr_scr_anxdisord_t             0.43879
## asr_scr_anxdep_t:asr_scr_avoidant_t              0.42645
## asr_scr_anxdep_t:asr_scr_adhd_t                  0.73293
## asr_scr_anxdep_t:asr_scr_antisocial_t            0.26016
## asr_scr_anxdep_t:asr_scr_hyperactive_t           0.45203
## asr_scr_anxdep_t:parent_monitor_y                0.36434
## asr_scr_anxdep_t:kbi_p_conflict                  0.02330 *
## asr_scr_anxdep_t:kbi_p_c_bully                   0.03902 *
## asr_scr_anxdep_t:kbi_p_c_mh_sa                   0.55442
## asr_scr_anxdep_t:fes_youth                       0.48478
## asr_scr_anxdep_t:fes_p_ss_fc_pr                  0.86241
## asr_scr_anxdep_t:demo_fam_exp                    0.33367
## asr_scr_anxdep_t:neighborhood1_2_3_p             0.93104
## asr_scr_anxdep_t:neighborhood_crime_y            0.33439
## asr_scr_anxdep_t:sexM                            0.49371
## asr_scr_withdrawn_t:asr_scr_somatic_t            0.63442
## asr_scr_withdrawn_t:asr_scr_thought_t            0.07410 .
## asr_scr_withdrawn_t:asr_scr_attention_t          0.00643 **
## asr_scr_withdrawn_t:asr_scr_aggressive_t         0.24387
## asr_scr_withdrawn_t:asr_scr_rulebreak_t          0.60798
## asr_scr_withdrawn_t:asr_scr_intrusive_t          0.02219 *
## asr_scr_withdrawn_t:asr_scr_internal_t           0.16919
## asr_scr_withdrawn_t:asr_scr_external_t           0.42256
## asr_scr_withdrawn_t:asr_scr_totprob_t            0.07053 .
## asr_scr_withdrawn_t:asr_scr_depress_t            0.65751
## asr_scr_withdrawn_t:asr_scr_anxdisord_t          0.54859
## asr_scr_withdrawn_t:asr_scr_avoidant_t           0.75031
## asr_scr_withdrawn_t:asr_scr_adhd_t               0.11095
## asr_scr_withdrawn_t:asr_scr_antisocial_t         0.98894
## asr_scr_withdrawn_t:asr_scr_hyperactive_t        0.98434
## asr_scr_withdrawn_t:parent_monitor_y             0.23128
## asr_scr_withdrawn_t:kbi_p_conflict               0.57943
## asr_scr_withdrawn_t:kbi_p_c_bully                0.75414
## asr_scr_withdrawn_t:kbi_p_c_mh_sa                0.39849
## asr_scr_withdrawn_t:fes_youth                    0.83067
## asr_scr_withdrawn_t:fes_p_ss_fc_pr               0.93935
## asr_scr_withdrawn_t:demo_fam_exp                 0.08255 .
## asr_scr_withdrawn_t:neighborhood1_2_3_p          0.12264
```

```
## asr_scr_withdrawn_t:neighborhood_crime_y      0.19507
## asr_scr_withdrawn_t:sexM                      0.02897 *
## asr_scr_somatic_t:asr_scr_thought_t           0.74399
## asr_scr_somatic_t:asr_scr_attention_t         0.36347
## asr_scr_somatic_t:asr_scr_aggressive_t        0.36663
## asr_scr_somatic_t:asr_scr_rulebreak_t         0.93248
## asr_scr_somatic_t:asr_scr_intrusive_t         0.16106
## asr_scr_somatic_t:asr_scr_internal_t          0.65093
## asr_scr_somatic_t:asr_scr_external_t          0.40852
## asr_scr_somatic_t:asr_scr_totprob_t           0.46255
## asr_scr_somatic_t:asr_scr_depress_t           0.05296 .
## asr_scr_somatic_t:asr_scr_anxdisord_t         0.26833
## asr_scr_somatic_t:asr_scr_avoidant_t          0.61785
## asr_scr_somatic_t:asr_scr_adhd_t              0.63746
## asr_scr_somatic_t:asr_scr_antisocial_t        0.33692
## asr_scr_somatic_t:asr_scr_hyperactive_t       0.60686
## asr_scr_somatic_t:parent_monitor_y            0.24930
## asr_scr_somatic_t:kbi_p_conflict              0.96305
## asr_scr_somatic_t:kbi_p_c_bully               0.08810 .
## asr_scr_somatic_t:kbi_p_c_mh_sa               0.51784
## asr_scr_somatic_t:fes_youth                   0.16518
## asr_scr_somatic_t:fes_p_ss_fc_pr              0.05075 .
## asr_scr_somatic_t:demo_fam_exp                0.21311
## asr_scr_somatic_t:neighborhood1_2_3_p         0.02658 *
## asr_scr_somatic_t:neighborhood_crime_y        0.67373
## asr_scr_somatic_t:sexM                        0.07452 .
## asr_scr_thought_t:asr_scr_attention_t         0.43578
## asr_scr_thought_t:asr_scr_aggressive_t        0.17182
## asr_scr_thought_t:asr_scr_rulebreak_t         0.47263
## asr_scr_thought_t:asr_scr_intrusive_t         0.72310
## asr_scr_thought_t:asr_scr_internal_t          0.58956
## asr_scr_thought_t:asr_scr_external_t          0.30883
## asr_scr_thought_t:asr_scr_totprob_t           0.58625
## asr_scr_thought_t:asr_scr_depress_t           0.74773
## asr_scr_thought_t:asr_scr_anxdisord_t         0.38567
## asr_scr_thought_t:asr_scr_avoidant_t          0.28552
## asr_scr_thought_t:asr_scr_adhd_t              0.85600
## asr_scr_thought_t:asr_scr_antisocial_t        0.61666
## asr_scr_thought_t:asr_scr_hyperactive_t       0.44003
## asr_scr_thought_t:parent_monitor_y            0.73417
## asr_scr_thought_t:kbi_p_conflict              0.07215 .
## asr_scr_thought_t:kbi_p_c_bully               0.72365
## asr_scr_thought_t:kbi_p_c_mh_sa               0.35166
## asr_scr_thought_t:fes_youth                   0.70184
## asr_scr_thought_t:fes_p_ss_fc_pr              0.74450
## asr_scr_thought_t:demo_fam_exp                0.51753
## asr_scr_thought_t:neighborhood1_2_3_p         0.34963
```

```
## asr_scr_thought_t:neighborhood_crime_y        0.75428
## asr_scr_thought_t:sexM                         0.42733
## asr_scr_attention_t:asr_scr_aggressive_t       0.85915
## asr_scr_attention_t:asr_scr_rulebreak_t        0.06562 .
## asr_scr_attention_t:asr_scr_intrusive_t        0.04071 *
## asr_scr_attention_t:asr_scr_internal_t          0.37126
## asr_scr_attention_t:asr_scr_external_t          0.77995
## asr_scr_attention_t:asr_scr_totprob_t           0.28041
## asr_scr_attention_t:asr_scr_depress_t           0.39465
## asr_scr_attention_t:asr_scr_anxdisord_t         0.50092
## asr_scr_attention_t:asr_scr_avoidant_t          0.05506 .
## asr_scr_attention_t:asr_scr_adhd_t              0.29400
## asr_scr_attention_t:asr_scr_antisocial_t        0.18712
## asr_scr_attention_t:asr_scr_hyperactive_t       0.70985
## asr_scr_attention_t:parent_monitor_y            0.82828
## asr_scr_attention_t:kbi_p_conflict              0.75720
## asr_scr_attention_t:kbi_p_c_bully               0.39018
## asr_scr_attention_t:kbi_p_c_mh_sa               0.03379 *
## asr_scr_attention_t:fes_youth                   0.19367
## asr_scr_attention_t:fes_p_ss_fc_pr              0.08758 .
## asr_scr_attention_t:demo_fam_exp                0.13519
## asr_scr_attention_t:neighborhood1_2_3_p         0.77650
## asr_scr_attention_t:neighborhood_crime_y        0.76557
## asr_scr_attention_t:sexM                        0.84312
## asr_scr_aggressive_t:asr_scr_rulebreak_t        0.74170
## asr_scr_aggressive_t:asr_scr_intrusive_t        0.35782
## asr_scr_aggressive_t:asr_scr_internal_t         0.09013 .
## asr_scr_aggressive_t:asr_scr_external_t         0.32648
## asr_scr_aggressive_t:asr_scr_totprob_t          0.13205
## asr_scr_aggressive_t:asr_scr_depress_t          0.66882
## asr_scr_aggressive_t:asr_scr_anxdisord_t        0.10317
## asr_scr_aggressive_t:asr_scr_avoidant_t         0.14461
## asr_scr_aggressive_t:asr_scr_adhd_t             0.84529
## asr_scr_aggressive_t:asr_scr_antisocial_t       0.79680
## asr_scr_aggressive_t:asr_scr_hyperactive_t      0.71962
## asr_scr_aggressive_t:parent_monitor_y           0.81685
## asr_scr_aggressive_t:kbi_p_conflict             0.57803
## asr_scr_aggressive_t:kbi_p_c_bully              0.00973 **
## asr_scr_aggressive_t:kbi_p_c_mh_sa              0.00219 **
## asr_scr_aggressive_t:fes_youth                  0.53619
## asr_scr_aggressive_t:fes_p_ss_fc_pr             0.05402 .
## asr_scr_aggressive_t:demo_fam_exp               0.41786
## asr_scr_aggressive_t:neighborhood1_2_3_p        0.49527
## asr_scr_aggressive_t:neighborhood_crime_y       0.65252
## asr_scr_aggressive_t:sexM                       0.35942
## asr_scr_rulebreak_t:asr_scr_intrusive_t         0.11702
## asr_scr_rulebreak_t:asr_scr_internal_t          0.04408 *
```

```
## asr_scr_rulebreak_t:asr_scr_external_t        0.41785
## asr_scr_rulebreak_t:asr_scr_totprob_t         0.05897 .
## asr_scr_rulebreak_t:asr_scr_depress_t         0.75153
## asr_scr_rulebreak_t:asr_scr_anxdisord_t       0.81201
## asr_scr_rulebreak_t:asr_scr_avoidant_t        0.59872
## asr_scr_rulebreak_t:asr_scr_adhd_t            0.23687
## asr_scr_rulebreak_t:asr_scr_antisocial_t      0.74166
## asr_scr_rulebreak_t:asr_scr_hyperactive_t     0.23765
## asr_scr_rulebreak_t:parent_monitor_y          0.60679
## asr_scr_rulebreak_t:kbi_p_conflict            0.09092 .
## asr_scr_rulebreak_t:kbi_p_c_bully             0.64439
## asr_scr_rulebreak_t:kbi_p_c_mh_sa             0.44704
## asr_scr_rulebreak_t:fes_youth                 0.09025 .
## asr_scr_rulebreak_t:fes_p_ss_fc_pr            0.00561 **
## asr_scr_rulebreak_t:demo_fam_exp              0.20656
## asr_scr_rulebreak_t:neighborhood1_2_3_p       0.34522
## asr_scr_rulebreak_t:neighborhood_crime_y      0.13927
## asr_scr_rulebreak_t:sexM                      0.39898
## asr_scr_intrusive_t:asr_scr_internal_t        0.93798
## asr_scr_intrusive_t:asr_scr_external_t        0.81889
## asr_scr_intrusive_t:asr_scr_totprob_t         0.62502
## asr_scr_intrusive_t:asr_scr_depress_t         0.21666
## asr_scr_intrusive_t:asr_scr_anxdisord_t       0.30657
## asr_scr_intrusive_t:asr_scr_avoidant_t        0.56786
## asr_scr_intrusive_t:asr_scr_adhd_t            0.10741
## asr_scr_intrusive_t:asr_scr_antisocial_t      0.44922
## asr_scr_intrusive_t:asr_scr_hyperactive_t     0.32126
## asr_scr_intrusive_t:parent_monitor_y          0.06545 .
## asr_scr_intrusive_t:kbi_p_conflict            0.61422
## asr_scr_intrusive_t:kbi_p_c_bully             0.43598
## asr_scr_intrusive_t:kbi_p_c_mh_sa             0.63886
## asr_scr_intrusive_t:fes_youth                 0.82861
## asr_scr_intrusive_t:fes_p_ss_fc_pr            0.59372
## asr_scr_intrusive_t:demo_fam_exp              0.45738
## asr_scr_intrusive_t:neighborhood1_2_3_p       0.03481 *
## asr_scr_intrusive_t:neighborhood_crime_y      0.05016 .
## asr_scr_intrusive_t:sexM                      0.96412
## asr_scr_internal_t:asr_scr_external_t         0.18041
## asr_scr_internal_t:asr_scr_totprob_t          0.80661
## asr_scr_internal_t:asr_scr_depress_t          0.06271 .
## asr_scr_internal_t:asr_scr_anxdisord_t        0.63757
## asr_scr_internal_t:asr_scr_avoidant_t         0.36301
## asr_scr_internal_t:asr_scr_adhd_t             0.67424
## asr_scr_internal_t:asr_scr_antisocial_t       0.75930
## asr_scr_internal_t:asr_scr_hyperactive_t      0.31669
## asr_scr_internal_t:parent_monitor_y           0.20940
## asr_scr_internal_t:kbi_p_conflict             0.50754
```

```
## asr_scr_internal_t:kbi_p_c_bully              0.17219
## asr_scr_internal_t:kbi_p_c_mh_sa              0.17732
## asr_scr_internal_t:fes_youth                  0.05538 .
## asr_scr_internal_t:fes_p_ss_fc_pr             0.16737
## asr_scr_internal_t:demo_fam_exp               0.21323
## asr_scr_internal_t:neighborhood1_2_3_p        0.82295
## asr_scr_internal_t:neighborhood_crime_y       0.49131
## asr_scr_internal_t:sexM                       0.09333 .
## asr_scr_external_t:asr_scr_totprob_t          0.00518 **
## asr_scr_external_t:asr_scr_depress_t          0.72228
## asr_scr_external_t:asr_scr_anxdisord_t        0.07871 .
## asr_scr_external_t:asr_scr_avoidant_t         0.34956
## asr_scr_external_t:asr_scr_adhd_t             0.56872
## asr_scr_external_t:asr_scr_antisocial_t       0.92859
## asr_scr_external_t:asr_scr_hyperactive_t      0.69213
## asr_scr_external_t:parent_monitor_y           0.38926
## asr_scr_external_t:kbi_p_conflict             0.26309
## asr_scr_external_t:kbi_p_c_bully              0.87783
## asr_scr_external_t:kbi_p_c_mh_sa              0.00189 **
## asr_scr_external_t:fes_youth                  0.35199
## asr_scr_external_t:fes_p_ss_fc_pr             0.89442
## asr_scr_external_t:demo_fam_exp               0.52803
## asr_scr_external_t:neighborhood1_2_3_p        0.64380
## asr_scr_external_t:neighborhood_crime_y       0.44843
## asr_scr_external_t:sexM                       0.30489
## asr_scr_totprob_t:asr_scr_depress_t           0.87805
## asr_scr_totprob_t:asr_scr_anxdisord_t         0.44932
## asr_scr_totprob_t:asr_scr_avoidant_t          0.35520
## asr_scr_totprob_t:asr_scr_adhd_t              0.30142
## asr_scr_totprob_t:asr_scr_antisocial_t        0.95780
## asr_scr_totprob_t:asr_scr_hyperactive_t       0.77011
## asr_scr_totprob_t:parent_monitor_y            0.16429
## asr_scr_totprob_t:kbi_p_conflict              0.24525
## asr_scr_totprob_t:kbi_p_c_bully               0.45820
## asr_scr_totprob_t:kbi_p_c_mh_sa               0.03472 *
## asr_scr_totprob_t:fes_youth                   0.18947
## asr_scr_totprob_t:fes_p_ss_fc_pr              0.62000
## asr_scr_totprob_t:demo_fam_exp                0.60078
## asr_scr_totprob_t:neighborhood1_2_3_p         0.13842
## asr_scr_totprob_t:neighborhood_crime_y        0.28017
## asr_scr_totprob_t:sexM                        0.05577 .
## asr_scr_depress_t:asr_scr_anxdisord_t         0.58839
## asr_scr_depress_t:asr_scr_avoidant_t          0.67642
## asr_scr_depress_t:asr_scr_adhd_t              0.22545
## asr_scr_depress_t:asr_scr_antisocial_t        0.82380
## asr_scr_depress_t:asr_scr_hyperactive_t       0.58021
## asr_scr_depress_t:parent_monitor_y            0.71757
```

```
## asr_scr_depress_t:kbi_p_conflict                0.97077
## asr_scr_depress_t:kbi_p_c_bully                 0.90944
## asr_scr_depress_t:kbi_p_c_mh_sa                 0.33885
## asr_scr_depress_t:fes_youth                     0.20044
## asr_scr_depress_t:fes_p_ss_fc_pr                0.68153
## asr_scr_depress_t:demo_fam_exp                  0.80150
## asr_scr_depress_t:neighborhood1_2_3_p           0.68303
## asr_scr_depress_t:neighborhood_crime_y          0.23578
## asr_scr_depress_t:sexM                          0.36718
## asr_scr_anxdisord_t:asr_scr_avoidant_t          0.04698 *
## asr_scr_anxdisord_t:asr_scr_adhd_t              0.20301
## asr_scr_anxdisord_t:asr_scr_antisocial_t        0.95076
## asr_scr_anxdisord_t:asr_scr_hyperactive_t       0.18809
## asr_scr_anxdisord_t:parent_monitor_y            0.04860 *
## asr_scr_anxdisord_t:kbi_p_conflict              0.00898 **
## asr_scr_anxdisord_t:kbi_p_c_bully               0.33456
## asr_scr_anxdisord_t:kbi_p_c_mh_sa               0.89331
## asr_scr_anxdisord_t:fes_youth                   0.59320
## asr_scr_anxdisord_t:fes_p_ss_fc_pr              0.50070
## asr_scr_anxdisord_t:demo_fam_exp                0.14941
## asr_scr_anxdisord_t:neighborhood1_2_3_p         0.17107
## asr_scr_anxdisord_t:neighborhood_crime_y        0.39983
## asr_scr_anxdisord_t:sexM                        0.52631
## asr_scr_avoidant_t:asr_scr_adhd_t               0.09719 .
## asr_scr_avoidant_t:asr_scr_antisocial_t         0.67344
## asr_scr_avoidant_t:asr_scr_hyperactive_t        0.28076
## asr_scr_avoidant_t:parent_monitor_y             0.20159
## asr_scr_avoidant_t:kbi_p_conflict               0.83991
## asr_scr_avoidant_t:kbi_p_c_bully                0.79648
## asr_scr_avoidant_t:kbi_p_c_mh_sa                0.10196
## asr_scr_avoidant_t:fes_youth                    0.66859
## asr_scr_avoidant_t:fes_p_ss_fc_pr               0.05803 .
## asr_scr_avoidant_t:demo_fam_exp                 0.22130
## asr_scr_avoidant_t:neighborhood1_2_3_p          0.06949 .
## asr_scr_avoidant_t:neighborhood_crime_y         0.73276
## asr_scr_avoidant_t:sexM                         0.56413
## asr_scr_adhd_t:asr_scr_antisocial_t             0.10719
## asr_scr_adhd_t:asr_scr_hyperactive_t            0.83224
## asr_scr_adhd_t:parent_monitor_y                 0.39001
## asr_scr_adhd_t:kbi_p_conflict                   0.47678
## asr_scr_adhd_t:kbi_p_c_bully                    0.39206
## asr_scr_adhd_t:kbi_p_c_mh_sa                    0.00262 **
## asr_scr_adhd_t:fes_youth                        0.32782
## asr_scr_adhd_t:fes_p_ss_fc_pr                   0.11530
## asr_scr_adhd_t:demo_fam_exp                     0.15194
## asr_scr_adhd_t:neighborhood1_2_3_p              0.93834
## asr_scr_adhd_t:neighborhood_crime_y             0.49809
```

```
## asr_scr_adhd_t:sexM                               0.12237
## asr_scr_antisocial_t:asr_scr_hyperactive_t        0.24588
## asr_scr_antisocial_t:parent_monitor_y             0.50977
## asr_scr_antisocial_t:kbi_p_conflict               0.62471
## asr_scr_antisocial_t:kbi_p_c_bully                0.18546
## asr_scr_antisocial_t:kbi_p_c_mh_sa                0.47628
## asr_scr_antisocial_t:fes_youth                    0.29879
## asr_scr_antisocial_t:fes_p_ss_fc_pr               0.09581 .
## asr_scr_antisocial_t:demo_fam_exp                 0.34410
## asr_scr_antisocial_t:neighborhood1_2_3_p          0.38157
## asr_scr_antisocial_t:neighborhood_crime_y         0.52195
## asr_scr_antisocial_t:sexM                         0.67173
## asr_scr_hyperactive_t:parent_monitor_y            0.05041 .
## asr_scr_hyperactive_t:kbi_p_conflict              0.71413
## asr_scr_hyperactive_t:kbi_p_c_bully               0.07386 .
## asr_scr_hyperactive_t:kbi_p_c_mh_sa             4.02e-05 ***
## asr_scr_hyperactive_t:fes_youth                   0.35979
## asr_scr_hyperactive_t:fes_p_ss_fc_pr              0.77829
## asr_scr_hyperactive_t:demo_fam_exp                0.09177 .
## asr_scr_hyperactive_t:neighborhood1_2_3_p         0.39157
## asr_scr_hyperactive_t:neighborhood_crime_y        0.17251
## asr_scr_hyperactive_t:sexM                        0.88822
## parent_monitor_y:kbi_p_conflict                   0.28226
## parent_monitor_y:kbi_p_c_bully                    0.63734
## parent_monitor_y:kbi_p_c_mh_sa                    0.05099 .
## parent_monitor_y:fes_youth                        0.96354
## parent_monitor_y:fes_p_ss_fc_pr                   0.98807
## parent_monitor_y:demo_fam_exp                     0.01021 *
## parent_monitor_y:neighborhood1_2_3_p              0.72546
## parent_monitor_y:neighborhood_crime_y             0.24833
## parent_monitor_y:sexM                             0.51318
## kbi_p_conflict:kbi_p_c_bully                      0.09618 .
## kbi_p_conflict:kbi_p_c_mh_sa                      0.81286
## kbi_p_conflict:fes_youth                          0.36048
## kbi_p_conflict:fes_p_ss_fc_pr                     0.19490
## kbi_p_conflict:demo_fam_exp                       0.69235
## kbi_p_conflict:neighborhood1_2_3_p                0.77094
## kbi_p_conflict:neighborhood_crime_y               0.18873
## kbi_p_conflict:sexM                               0.42437
## kbi_p_c_bully:kbi_p_c_mh_sa                       0.21565
## kbi_p_c_bully:fes_youth                           0.40896
## kbi_p_c_bully:fes_p_ss_fc_pr                      0.89643
## kbi_p_c_bully:demo_fam_exp                        0.01576 *
## kbi_p_c_bully:neighborhood1_2_3_p                 0.36375
## kbi_p_c_bully:neighborhood_crime_y                0.02250 *
## kbi_p_c_bully:sexM                                0.64989
## kbi_p_c_mh_sa:fes_youth                           0.36941
```

```
## kbi_p_c_mh_sa:fes_p_ss_fc_pr                      0.71921
## kbi_p_c_mh_sa:demo_fam_exp                        0.81385
## kbi_p_c_mh_sa:neighborhood1_2_3_p                 0.36581
## kbi_p_c_mh_sa:neighborhood_crime_y                0.30490
## kbi_p_c_mh_sa:sexM                                0.00136 **
## fes_youth:fes_p_ss_fc_pr                          0.21390
## fes_youth:demo_fam_exp                            0.67087
## fes_youth:neighborhood1_2_3_p                     0.42063
## fes_youth:neighborhood_crime_y                    0.73065
## fes_youth:sexM                                    0.64750
## fes_p_ss_fc_pr:demo_fam_exp                       0.66479
## fes_p_ss_fc_pr:neighborhood1_2_3_p               0.40117
## fes_p_ss_fc_pr:neighborhood_crime_y              0.54487
## fes_p_ss_fc_pr:sexM                               0.37418
## demo_fam_exp:neighborhood1_2_3_p                  0.60805
## demo_fam_exp:neighborhood_crime_y                 0.82159
## demo_fam_exp:sexM                                 0.58988
## neighborhood1_2_3_p:neighborhood_crime_y          0.78090
## neighborhood1_2_3_p:sexM                          0.34239
## neighborhood_crime_y:sexM                         0.70879
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 8804.4  on 6593  degrees of freedom
## Residual deviance: 4844.0  on 6215  degrees of freedom
## AIC: 5602
##
## Number of Fisher Scoring iterations: 7
```

```
cm <- confusionMatrix(table(as.numeric(glm.fit$fitted.values>0.5), df$y))
print(cm)
```

```
## Confusion Matrix and Statistics
##
##
##          0    1
##    0 3647  686
##    1  392 1869
##
##               Accuracy : 0.8365
##                 95% CI : (0.8274, 0.8454)
##    No Information Rate : 0.6125
##    P-Value [Acc > NIR] : < 2.2e-16
##
##                  Kappa : 0.6482
##
##  Mcnemar's Test P-Value : < 2.2e-16
##
##            Sensitivity : 0.9029
##            Specificity : 0.7315
##         Pos Pred Value : 0.8417
##         Neg Pred Value : 0.8266
##             Prevalence : 0.6125
##         Detection Rate : 0.5531
##   Detection Prevalence : 0.6571
##      Balanced Accuracy : 0.8172
##
##       'Positive' Class : 0
##
```

```
print(cm$byClass)
```

```
##        Sensitivity          Specificity       Pos Pred Value
##          0.9029463            0.7315068            0.8416801
##     Neg Pred Value            Precision               Recall
##          0.8266254            0.8416801            0.9029463
##                 F1           Prevalence       Detection Rate
##          0.8712375            0.6125265            0.5530786
## Detection Prevalence    Balanced Accuracy
##          0.6571125            0.8172266
```

Step Wise Logistic Regression StepWise Model Selection

```
library(MASS)
library(tidyverse)
```

```
## ── Attaching packages ──────────────────────────────────── tidyverse 1.3.1 ──
```

```
## ✓ tibble   3.1.4      ✓ dplyr    1.0.7
## ✓ tidyr    1.1.3      ✓ stringr  1.4.0
## ✓ readr    2.0.1      ✓ forcats  0.5.1
## ✓ purrr    0.3.4
```

```
## ── Conflicts ─────────────────────────────────────── tidyverse_conflicts() ──
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## x purrr::lift()   masks caret::lift()
## x dplyr::select() masks MASS::select()
```

```
glm.fit <- glm(y ~ ., data = df, family = binomial)
step.model <- glm.fit %>% stepAIC(trace = FALSE)
```

Result

```
summary(step.model)
```

```
##
## Call:
## glm(formula = y ~ asr_scr_anxdep_t + asr_scr_somatic_t + asr_scr_thought_t +
##       asr_scr_attention_t + asr_scr_aggressive_t + asr_scr_rulebreak_t +
##       asr_scr_external_t + asr_scr_totprob_t + asr_scr_anxdisord_t +
##       asr_scr_avoidant_t + asr_scr_adhd_t + asr_scr_hyperactive_t +
##       parent_monitor_y + kbi_p_conflict + kbi_p_c_bully + kbi_p_c_mh_sa +
##       fes_youth + fes_p_ss_fc_pr + demo_fam_exp + neighborhood1_2_3_p +
##       neighborhood_crime_y + sex, family = binomial, data = df)
##
## Deviance Residuals:
##     Min       1Q    Median       3Q       Max
## -3.2363  -0.6098  -0.3150    0.5126    2.9564
##
## Coefficients:
##                         Estimate Std. Error z value Pr(>|z|)
## (Intercept)            -6.596190   0.988017  -6.676 2.45e-11 ***
## asr_scr_anxdep_t       -0.046929   0.013364  -3.512 0.000446 ***
## asr_scr_somatic_t       0.021742   0.008249   2.636 0.008396 **
## asr_scr_thought_t       0.023200   0.009723   2.386 0.017025 *
## asr_scr_attention_t     0.026186   0.016014   1.635 0.102018
## asr_scr_aggressive_t   -0.039532   0.013760  -2.873 0.004066 **
## asr_scr_rulebreak_t    -0.035961   0.010427  -3.449 0.000563 ***
```

```
## asr_scr_external_t       0.060579   0.010546    5.744 9.24e-09 ***
## asr_scr_totprob_t        0.051057   0.012288    4.155 3.26e-05 ***
## asr_scr_anxdisord_t      0.015827   0.010793    1.466 0.142553
## asr_scr_avoidant_t       0.014735   0.009168    1.607 0.107991
## asr_scr_adhd_t          -0.030200   0.020930   -1.443 0.149050
## asr_scr_hyperactive_t    0.026678   0.017816    1.497 0.134298
## parent_monitor_y        -0.115909   0.073109   -1.585 0.112866
## kbi_p_conflict           2.152185   0.091783   23.449  < 2e-16 ***
## kbi_p_c_bully            0.969328   0.097746    9.917  < 2e-16 ***
## kbi_p_c_mh_sa            1.222715   0.089004   13.738  < 2e-16 ***
## fes_youth                0.124582   0.018608    6.695 2.16e-11 ***
## fes_p_ss_fc_pr           0.138570   0.019568    7.081 1.43e-12 ***
## demo_fam_exp             0.553043   0.089916    6.151 7.72e-10 ***
## neighborhood1_2_3_p     -0.135240   0.038662   -3.498 0.000469 ***
## neighborhood_crime_y    -0.131940   0.034172   -3.861 0.000113 ***
## sexM                     0.440717   0.070596    6.243 4.30e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 8804.4  on 6593  degrees of freedom
## Residual deviance: 5297.3  on 6571  degrees of freedom
## AIC: 5343.3
##
## Number of Fisher Scoring iterations: 5
```

```
cm <- confusionMatrix(table(as.numeric(step.model$fitted.values>0.5), df$y))
print(cm)
```

```
## Confusion Matrix and Statistics
##
##
##          0    1
##    0 3597  762
##    1  442 1793
##
##               Accuracy : 0.8174
##                 95% CI : (0.8079, 0.8267)
##    No Information Rate : 0.6125
##    P-Value [Acc > NIR] : < 2.2e-16
##
##                  Kappa : 0.6063
##
##  Mcnemar's Test P-Value : < 2.2e-16
##
##            Sensitivity : 0.8906
##            Specificity : 0.7018
##         Pos Pred Value : 0.8252
##         Neg Pred Value : 0.8022
##             Prevalence : 0.6125
##         Detection Rate : 0.5455
##   Detection Prevalence : 0.6611
##      Balanced Accuracy : 0.7962
##
##       'Positive' Class : 0
##
```

```
print(cm$byClass)
```

```
##          Sensitivity          Specificity       Pos Pred Value
##            0.8905670            0.7017613            0.8251893
##       Neg Pred Value            Precision               Recall
##            0.8022371            0.8251893            0.8905670
##                   F1           Prevalence       Detection Rate
##            0.8566325            0.6125265            0.5454959
## Detection Prevalence    Balanced Accuracy
##            0.6610555            0.7961641
```

Step Wise Logistic Regression W/ Interaction Model Selection

```
#glm.fit <- glm(y ~ . + .^2, data = df, family = binomial)
#step.model <- glm.fit %>% stepAIC(trace = FALSE)
```

Result

```
#summary(step.model )


#cm <- confusionMatrix(table(as.numeric(step.model $fitted.values>0.5), df$y))
#print(cm)
#print(cm$byClass)
```

Analysis W/ Selected Data, All Attributes

```
df <- read.csv('cleandata.csv')
odf<- df[(df$aggressive_sumscore  <= (-2.020650971)) | (df$aggressive_sumscore  >= (0
.2168869)), ]
odf$y <- ifelse(odf$aggressive_sumscore <= (-2.020650971), 0, 1)
df <- subset(odf, select=-c(X,aggressive_sumscore , prosocial_child, prosocial_parent
, interview_date, interview_age, subjectkey))
```

Logistic Regression Model Selection

```
glm.fit <- glm(y ~ ., data = df, family = binomial)
```

Result

```
summary(glm.fit)
```

```
##
## Call:
## glm(formula = y ~ ., family = binomial, data = df)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -3.2205  -0.5887  -0.2997   0.4870   3.1245
##
## Coefficients:
##                         Estimate Std. Error z value Pr(>|z|)
## (Intercept)            -6.949734   1.393145  -4.989 6.08e-07 ***
## asr_scr_perstr_t        0.011586   0.004206   2.754 0.005880 **
## asr_scr_anxdep_t       -0.038518   0.017549  -2.195 0.028178 *
## asr_scr_withdrawn_t    -0.010485   0.013672  -0.767 0.443138
## asr_scr_somatic_t       0.001735   0.023166   0.075 0.940302
## asr_scr_thought_t       0.018935   0.010745   1.762 0.078026 .
## asr_scr_attention_t     0.035494   0.018984   1.870 0.061521 .
## asr_scr_aggressive_t   -0.061028   0.016520  -3.694 0.000221 ***
## asr_scr_rulebreak_t    -0.049166   0.013627  -3.608 0.000308 ***
```

```
## asr_scr_intrusive_t        -0.015407    0.012951   -1.190 0.234209
## asr_scr_internal_t         -0.000911    0.016541   -0.055 0.956077
## asr_scr_external_t          0.069039    0.013460    5.129 2.91e-07 ***
## asr_scr_totprob_t           0.056096    0.022673    2.474 0.013358 *
## asr_scr_depress_t          -0.002584    0.014364   -0.180 0.857231
## asr_scr_anxdisord_t         0.009487    0.011374    0.834 0.404237
## asr_scr_somaticpr_t         0.019749    0.018775    1.052 0.292839
## asr_scr_avoidant_t          0.022911    0.011988    1.911 0.055992 .
## asr_scr_adhd_t             -0.022463    0.039624   -0.567 0.570786
## asr_scr_antisocial_t        0.025805    0.015878    1.625 0.104117
## asr_scr_inattention_t      -0.007478    0.025080   -0.298 0.765566
## asr_scr_hyperactive_t       0.022759    0.026496    0.859 0.390376
## crpbi_bothcare             -0.007249    0.005559   -1.304 0.192194
## parent_monitor_y           -0.088460    0.074453   -1.188 0.234782
## kbi_p_conflict              2.235868    0.094849   23.573  < 2e-16 ***
## kbi_p_c_best_friend        -0.034849    0.047856   -0.728 0.466494
## kbi_p_c_reg_friend_group   -0.026480    0.073097   -0.362 0.717159
## kbi_p_c_bully               0.919037    0.099911    9.199  < 2e-16 ***
## kbi_p_c_mh_sa               1.271827    0.092435   13.759  < 2e-16 ***
## fes_youth                   0.109006    0.019058    5.720 1.07e-08 ***
## fes_p_ss_fc_pr              0.133299    0.020253    6.582 4.65e-11 ***
## macv_p_ss_fs               -0.026663    0.086079   -0.310 0.756747
## macv_p_ss_fo                0.084361    0.079614    1.060 0.289318
## macv_p_ss_isr               0.086058    0.064864    1.327 0.184590
## macv_p_ss_fr                0.030415    0.071896    0.423 0.672268
## macv_p_ss_r                 0.179107    0.045387    3.946 7.94e-05 ***
## demo_prnt_age_v2           -0.012721    0.005764   -2.207 0.027308 *
## demo_prnt_marital_v2        0.099772    0.025605    3.897 9.76e-05 ***
## demo_comb_income_v2        -0.065400    0.021106   -3.099 0.001944 **
## demo_fam_exp                0.237331    0.099617    2.382 0.017198 *
## demo_yrs_1                  0.067366    0.038972    1.729 0.083881 .
## demo_yrs_2                 -0.127282    0.054995   -2.314 0.020644 *
## parent_rules_q1             0.042964    0.067902    0.633 0.526899
## parent_rules_q4             0.058916    0.072703    0.810 0.417729
## parent_rules_q7            -0.022414    0.065691   -0.341 0.732949
## su_risk_p_1                 0.035114    0.032482    1.081 0.279686
## su_risk_p_2_3              -0.031573    0.047240   -0.668 0.503913
## su_risk_p_4_5              -0.019729    0.050085   -0.394 0.693642
## neighborhood1_2_3_p        -0.079228    0.040953   -1.935 0.053036 .
## neighborhood_crime_y       -0.093772    0.035049   -2.675 0.007463 **
## sexM                        0.463259    0.072187    6.418 1.39e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 8804.4  on 6593  degrees of freedom
```

```
## Residual deviance: 5155.2  on 6544  degrees of freedom
## AIC: 5255.2
##
## Number of Fisher Scoring iterations: 5
```

```
cm <- confusionMatrix(table(as.numeric(glm.fit$fitted.values>0.5), df$y))
print(cm)
```

```
## Confusion Matrix and Statistics
##
##
##        0    1
##   0 3605  728
##   1  434 1827
##
##               Accuracy : 0.8238
##                 95% CI : (0.8144, 0.8329)
##    No Information Rate : 0.6125
##    P-Value [Acc > NIR] : < 2.2e-16
##
##                  Kappa : 0.6207
##
##  Mcnemar's Test P-Value : < 2.2e-16
##
##            Sensitivity : 0.8925
##            Specificity : 0.7151
##         Pos Pred Value : 0.8320
##         Neg Pred Value : 0.8080
##             Prevalence : 0.6125
##         Detection Rate : 0.5467
##   Detection Prevalence : 0.6571
##      Balanced Accuracy : 0.8038
##
##       'Positive' Class : 0
##
```

```
print(cm$byClass)
```

```
##           Sensitivity              Specificity          Pos Pred Value
##            0.8925477                0.7150685               0.8319871
##        Neg Pred Value                Precision                  Recall
##            0.8080495                0.8319871               0.8925477
##                    F1               Prevalence          Detection Rate
##            0.8612040                0.6125265               0.5467091
## Detection Prevalence        Balanced Accuracy
##            0.6571125                0.8038081
```

Logistic Regression W/ Interaction Model Selection

```
glm.fit <- glm(y ~ . + .^2, data = df, family = binomial)
```

```
## Warning: glm.fit: fitted probabilities numerically 0 or 1 occurred
```

Result

```
summary(glm.fit)
```

```
##
## Call:
## glm(formula = y ~ . + .^2, family = binomial, data = df)
##
## Deviance Residuals:
##     Min       1Q    Median       3Q       Max
## -3.8282  -0.3987  -0.1367   0.1731    3.4701
##
## Coefficients:
##                                           Estimate Std. Error z value
## (Intercept)                              1.074e+02  7.453e+01   1.441
## asr_scr_perstr_t                        -2.341e-01  2.910e-01  -0.804
## asr_scr_anxdep_t                        -1.244e+00  1.359e+00  -0.915
## asr_scr_withdrawn_t                     -1.249e+00  1.009e+00  -1.237
## asr_scr_somatic_t                       -1.195e+00  1.611e+00  -0.742
## asr_scr_thought_t                       -1.040e+00  7.555e-01  -1.377
## asr_scr_attention_t                     -2.115e+00  1.338e+00  -1.581
## asr_scr_aggressive_t                    -8.172e-01  1.196e+00  -0.683
## asr_scr_rulebreak_t                      2.658e-01  9.478e-01   0.280
## asr_scr_intrusive_t                     -1.607e+00  9.285e-01  -1.731
## asr_scr_internal_t                      -4.028e+00  1.328e+00  -3.034
## asr_scr_external_t                      -2.075e+00  1.158e+00  -1.792
## asr_scr_totprob_t                        5.887e+00  1.681e+00   3.503
## asr_scr_depress_t                        2.116e+00  1.047e+00   2.021
## asr_scr_anxdisord_t                      2.001e-01  9.001e-01   0.222
```

```
## asr_scr_somaticpr_t                          4.489e-01  1.286e+00   0.349
## asr_scr_avoidant_t                           4.979e-01  8.992e-01   0.554
## asr_scr_adhd_t                              -3.553e-03  2.818e+00  -0.001
## asr_scr_antisocial_t                         3.471e-02  1.153e+00   0.030
## asr_scr_inattention_t                        9.132e-01  1.693e+00   0.539
## asr_scr_hyperactive_t                        2.233e+00  1.953e+00   1.143
## crpbi_bothcare                              -1.997e-01  3.832e-01  -0.521
## parent_monitor_y                            -5.135e+00  5.024e+00  -1.022
## kbi_p_conflict                              -7.311e+00  6.719e+00  -1.088
## kbi_p_c_best_friend                          5.810e-02  3.307e+00   0.018
## kbi_p_c_reg_friend_group                    -1.043e+01  5.366e+00  -1.944
## kbi_p_c_bully                               -1.404e+00  6.865e+00  -0.204
## kbi_p_c_mh_sa                               -1.040e+01  7.316e+00  -1.422
## fes_youth                                   -4.826e-02  1.328e+00  -0.036
## fes_p_ss_fc_pr                              -4.782e+00  1.355e+00  -3.529
## macv_p_ss_fs                                -3.380e+00  5.964e+00  -0.567
## macv_p_ss_fo                                 5.999e+00  5.737e+00   1.046
## macv_p_ss_isr                               -7.854e+00  4.529e+00  -1.734
## macv_p_ss_fr                                 3.334e+00  5.207e+00   0.640
## macv_p_ss_r                                 -1.508e+00  3.181e+00  -0.474
## demo_prnt_age_v2                             6.782e-01  4.207e-01   1.612
## demo_prnt_marital_v2                         1.733e+00  1.801e+00   0.962
## demo_comb_income_v2                          3.304e-01  1.555e+00   0.212
## demo_fam_exp                                 4.011e+00  7.259e+00   0.552
## demo_yrs_1                                   1.481e-01  2.712e+00   0.055
## demo_yrs_2                                   1.604e+00  3.759e+00   0.427
## parent_rules_q1                             -2.438e-01  5.423e+00  -0.045
## parent_rules_q4                             -4.593e+00  5.543e+00  -0.829
## parent_rules_q7                              2.651e+00  4.682e+00   0.566
## su_risk_p_1                                  2.314e+00  2.394e+00   0.966
## su_risk_p_2_3                               -1.931e+00  3.654e+00  -0.529
## su_risk_p_4_5                                2.900e+00  3.921e+00   0.740
## neighborhood1_2_3_p                         -4.137e+00  2.882e+00  -1.435
## neighborhood_crime_y                         2.565e+00  2.359e+00   1.087
## sexM                                        -2.584e+00  4.865e+00  -0.531
## asr_scr_perstr_t:asr_scr_anxdep_t            6.018e-03  3.986e-03   1.510
## asr_scr_perstr_t:asr_scr_withdrawn_t         1.501e-03  3.151e-03   0.476
## asr_scr_perstr_t:asr_scr_somatic_t           5.577e-03  4.885e-03   1.142
## asr_scr_perstr_t:asr_scr_thought_t           2.532e-03  2.441e-03   1.037
## asr_scr_perstr_t:asr_scr_attention_t         1.303e-03  4.169e-03   0.313
## asr_scr_perstr_t:asr_scr_aggressive_t        1.799e-03  3.359e-03   0.536
## asr_scr_perstr_t:asr_scr_rulebreak_t         7.827e-04  2.854e-03   0.274
## asr_scr_perstr_t:asr_scr_intrusive_t        -2.538e-03  3.165e-03  -0.802
## asr_scr_perstr_t:asr_scr_internal_t         -1.612e-03  2.957e-03  -0.545
## asr_scr_perstr_t:asr_scr_external_t         -8.303e-04  2.342e-03  -0.354
## asr_scr_perstr_t:asr_scr_totprob_t           3.061e-03  3.948e-03   0.775
## asr_scr_perstr_t:asr_scr_depress_t          -7.819e-03  3.223e-03  -2.426
```

```
## asr_scr_perstr_t:asr_scr_anxdisord_t          3.457e-03   2.612e-03    1.324
## asr_scr_perstr_t:asr_scr_somaticpr_t         -3.769e-03   3.905e-03   -0.965
## asr_scr_perstr_t:asr_scr_avoidant_t          -3.385e-03   2.769e-03   -1.223
## asr_scr_perstr_t:asr_scr_adhd_t              -1.129e-02   8.676e-03   -1.301
## asr_scr_perstr_t:asr_scr_antisocial_t        -4.233e-03   3.359e-03   -1.260
## asr_scr_perstr_t:asr_scr_inattention_t        3.606e-03   5.275e-03    0.684
## asr_scr_perstr_t:asr_scr_hyperactive_t        9.160e-03   6.120e-03    1.497
## asr_scr_perstr_t:crpbi_bothcare               1.718e-04   9.980e-04    0.172
## asr_scr_perstr_t:parent_monitor_y             1.589e-03   1.362e-02    0.117
## asr_scr_perstr_t:kbi_p_conflict              -3.644e-02   1.724e-02   -2.113
## asr_scr_perstr_t:kbi_p_c_best_friend          1.001e-02   9.269e-03    1.080
## asr_scr_perstr_t:kbi_p_c_reg_friend_group     4.149e-02   1.435e-02    2.890
## asr_scr_perstr_t:kbi_p_c_bully                1.504e-04   1.800e-02    0.008
## asr_scr_perstr_t:kbi_p_c_mh_sa                1.091e-02   1.868e-02    0.584
## asr_scr_perstr_t:fes_youth                   -2.128e-03   3.446e-03   -0.617
## asr_scr_perstr_t:fes_p_ss_fc_pr               5.679e-03   3.868e-03    1.468
## asr_scr_perstr_t:macv_p_ss_fs                 3.619e-03   1.626e-02    0.223
## asr_scr_perstr_t:macv_p_ss_fo                 9.809e-03   1.521e-02    0.645
## asr_scr_perstr_t:macv_p_ss_isr                1.960e-02   1.190e-02    1.647
## asr_scr_perstr_t:macv_p_ss_fr                -7.702e-03   1.349e-02   -0.571
## asr_scr_perstr_t:macv_p_ss_r                 -6.547e-03   8.557e-03   -0.765
## asr_scr_perstr_t:demo_prnt_age_v2             3.432e-04   1.053e-03    0.326
## asr_scr_perstr_t:demo_prnt_marital_v2        -3.437e-04   4.691e-03   -0.073
## asr_scr_perstr_t:demo_comb_income_v2          5.327e-03   3.561e-03    1.496
## asr_scr_perstr_t:demo_fam_exp                -2.949e-02   1.702e-02   -1.733
## asr_scr_perstr_t:demo_yrs_1                   2.494e-03   6.781e-03    0.368
## asr_scr_perstr_t:demo_yrs_2                   1.110e-02   9.655e-03    1.150
## asr_scr_perstr_t:parent_rules_q1            -1.589e-03   1.398e-02   -0.114
## asr_scr_perstr_t:parent_rules_q4            -1.941e-02   1.475e-02   -1.316
## asr_scr_perstr_t:parent_rules_q7             2.862e-02   1.336e-02    2.143
## asr_scr_perstr_t:su_risk_p_1                  1.095e-02   7.049e-03    1.554
## asr_scr_perstr_t:su_risk_p_2_3               1.150e-02   1.020e-02    1.128
## asr_scr_perstr_t:su_risk_p_4_5              -1.797e-02   1.135e-02   -1.584
## asr_scr_perstr_t:neighborhood1_2_3_p        -1.694e-02   7.519e-03   -2.253
## asr_scr_perstr_t:neighborhood_crime_y       -7.410e-03   6.157e-03   -1.204
## asr_scr_perstr_t:sexM                         3.488e-03   1.286e-02    0.271
## asr_scr_anxdep_t:asr_scr_withdrawn_t        -1.696e-03   1.116e-02   -0.152
## asr_scr_anxdep_t:asr_scr_somatic_t          -4.201e-02   1.587e-02   -2.647
## asr_scr_anxdep_t:asr_scr_thought_t          -7.440e-04   9.157e-03   -0.081
## asr_scr_anxdep_t:asr_scr_attention_t        -3.548e-03   1.640e-02   -0.216
## asr_scr_anxdep_t:asr_scr_aggressive_t         1.265e-02   1.475e-02    0.858
## asr_scr_anxdep_t:asr_scr_rulebreak_t          3.485e-03   1.140e-02    0.306
## asr_scr_anxdep_t:asr_scr_intrusive_t          1.570e-02   1.199e-02    1.310
## asr_scr_anxdep_t:asr_scr_internal_t           3.184e-03   1.686e-02    0.189
## asr_scr_anxdep_t:asr_scr_external_t         -1.993e-02   1.372e-02   -1.453
## asr_scr_anxdep_t:asr_scr_totprob_t            2.195e-02   2.796e-02    0.785
## asr_scr_anxdep_t:asr_scr_depress_t            2.765e-02   1.005e-02    2.752
```

```
## asr_scr_anxdep_t:asr_scr_anxdisord_t              -4.509e-03   9.072e-03   -0.497
## asr_scr_anxdep_t:asr_scr_somaticpr_t               2.845e-02   1.470e-02    1.935
## asr_scr_anxdep_t:asr_scr_avoidant_t               -8.298e-03   1.093e-02   -0.759
## asr_scr_anxdep_t:asr_scr_adhd_t                   -7.927e-02   3.485e-02   -2.275
## asr_scr_anxdep_t:asr_scr_antisocial_t              1.882e-04   1.283e-02    0.015
## asr_scr_anxdep_t:asr_scr_inattention_t             3.613e-02   2.153e-02    1.678
## asr_scr_anxdep_t:asr_scr_hyperactive_t             2.190e-02   2.256e-02    0.971
## asr_scr_anxdep_t:crpbi_bothcare                   -1.026e-02   4.985e-03   -2.057
## asr_scr_anxdep_t:parent_monitor_y                 -6.446e-02   6.850e-02   -0.941
## asr_scr_anxdep_t:kbi_p_conflict                    2.301e-01   8.927e-02    2.577
## asr_scr_anxdep_t:kbi_p_c_best_friend               6.553e-02   4.450e-02    1.473
## asr_scr_anxdep_t:kbi_p_c_reg_friend_group          6.004e-02   7.136e-02    0.841
## asr_scr_anxdep_t:kbi_p_c_bully                     1.074e-01   9.065e-02    1.184
## asr_scr_anxdep_t:kbi_p_c_mh_sa                     1.495e-02   9.062e-02    0.165
## asr_scr_anxdep_t:fes_youth                         7.691e-03   1.647e-02    0.467
## asr_scr_anxdep_t:fes_p_ss_fc_pr                   -1.072e-02   1.692e-02   -0.634
## asr_scr_anxdep_t:macv_p_ss_fs                      1.182e-01   8.295e-02    1.424
## asr_scr_anxdep_t:macv_p_ss_fo                     -6.419e-02   7.222e-02   -0.889
## asr_scr_anxdep_t:macv_p_ss_isr                    -6.736e-02   5.848e-02   -1.152
## asr_scr_anxdep_t:macv_p_ss_fr                     -9.170e-02   6.768e-02   -1.355
## asr_scr_anxdep_t:macv_p_ss_r                      -6.429e-02   4.062e-02   -1.583
## asr_scr_anxdep_t:demo_prnt_age_v2                  1.506e-02   5.575e-03    2.701
## asr_scr_anxdep_t:demo_prnt_marital_v2             -1.533e-02   2.495e-02   -0.614
## asr_scr_anxdep_t:demo_comb_income_v2              -4.909e-02   2.038e-02   -2.409
## asr_scr_anxdep_t:demo_fam_exp                     -5.534e-02   9.052e-02   -0.611
## asr_scr_anxdep_t:demo_yrs_1                       -1.549e-02   3.532e-02   -0.438
## asr_scr_anxdep_t:demo_yrs_2                        1.505e-01   5.029e-02    2.993
## asr_scr_anxdep_t:parent_rules_q1                   4.016e-02   6.414e-02    0.626
## asr_scr_anxdep_t:parent_rules_q4                  -1.018e-01   6.476e-02   -1.572
## asr_scr_anxdep_t:parent_rules_q7                   5.627e-02   6.255e-02    0.900
## asr_scr_anxdep_t:su_risk_p_1                      -3.381e-03   3.026e-02   -0.112
## asr_scr_anxdep_t:su_risk_p_2_3                    -3.338e-02   4.680e-02   -0.713
## asr_scr_anxdep_t:su_risk_p_4_5                     2.298e-02   5.043e-02    0.456
## asr_scr_anxdep_t:neighborhood1_2_3_p              5.926e-02   3.685e-02    1.608
## asr_scr_anxdep_t:neighborhood_crime_y             -5.932e-04   3.242e-02   -0.018
## asr_scr_anxdep_t:sexM                              6.022e-02   6.229e-02    0.967
## asr_scr_withdrawn_t:asr_scr_somatic_t              1.962e-02   1.505e-02    1.304
## asr_scr_withdrawn_t:asr_scr_thought_t              1.543e-02   6.168e-03    2.501
## asr_scr_withdrawn_t:asr_scr_attention_t            3.948e-02   1.351e-02    2.921
## asr_scr_withdrawn_t:asr_scr_aggressive_t          -1.280e-02   1.051e-02   -1.218
## asr_scr_withdrawn_t:asr_scr_rulebreak_t           -5.325e-04   8.861e-03   -0.060
## asr_scr_withdrawn_t:asr_scr_intrusive_t            2.347e-02   1.051e-02    2.234
## asr_scr_withdrawn_t:asr_scr_internal_t             1.892e-02   1.537e-02    1.231
## asr_scr_withdrawn_t:asr_scr_external_t             2.284e-02   1.012e-02    2.257
## asr_scr_withdrawn_t:asr_scr_totprob_t             -4.902e-02   2.028e-02   -2.417
## asr_scr_withdrawn_t:asr_scr_depress_t             -4.409e-03   9.006e-03   -0.490
## asr_scr_withdrawn_t:asr_scr_anxdisord_t           -8.042e-03   7.431e-03   -1.082
```

```
## asr_scr_withdrawn_t:asr_scr_somaticpr_t            -1.343e-02  1.237e-02  -1.086
## asr_scr_withdrawn_t:asr_scr_avoidant_t              8.276e-04  4.979e-03   0.166
## asr_scr_withdrawn_t:asr_scr_adhd_t                 -9.896e-02  2.840e-02  -3.485
## asr_scr_withdrawn_t:asr_scr_antisocial_t           -1.699e-02  1.034e-02  -1.643
## asr_scr_withdrawn_t:asr_scr_inattention_t           4.042e-02  1.783e-02   2.267
## asr_scr_withdrawn_t:asr_scr_hyperactive_t           4.464e-02  1.956e-02   2.282
## asr_scr_withdrawn_t:crpbi_bothcare                 -8.884e-03  3.863e-03  -2.300
## asr_scr_withdrawn_t:parent_monitor_y                5.598e-02  4.905e-02   1.141
## asr_scr_withdrawn_t:kbi_p_conflict                  2.706e-02  6.823e-02   0.397
## asr_scr_withdrawn_t:kbi_p_c_best_friend            -4.286e-02  3.313e-02  -1.294
## asr_scr_withdrawn_t:kbi_p_c_reg_friend_group        6.963e-03  5.280e-02   0.132
## asr_scr_withdrawn_t:kbi_p_c_bully                  -2.679e-02  6.062e-02  -0.442
## asr_scr_withdrawn_t:kbi_p_c_mh_sa                  -7.263e-03  6.885e-02  -0.105
## asr_scr_withdrawn_t:fes_youth                       1.501e-04  1.334e-02   0.011
## asr_scr_withdrawn_t:fes_p_ss_fc_pr                 -5.581e-03  1.339e-02  -0.417
## asr_scr_withdrawn_t:macv_p_ss_fs                   -1.962e-01  5.913e-02  -3.318
## asr_scr_withdrawn_t:macv_p_ss_fo                    1.585e-01  5.624e-02   2.818
## asr_scr_withdrawn_t:macv_p_ss_isr                   4.491e-02  4.447e-02   1.010
## asr_scr_withdrawn_t:macv_p_ss_fr                   -8.575e-02  5.279e-02  -1.624
## asr_scr_withdrawn_t:macv_p_ss_r                     2.244e-02  3.066e-02   0.732
## asr_scr_withdrawn_t:demo_prnt_age_v2                2.023e-03  4.018e-03   0.503
## asr_scr_withdrawn_t:demo_prnt_marital_v2           -6.643e-03  1.834e-02  -0.362
## asr_scr_withdrawn_t:demo_comb_income_v2            -2.058e-02  1.437e-02  -1.432
## asr_scr_withdrawn_t:demo_fam_exp                   -3.189e-02  6.685e-02  -0.477
## asr_scr_withdrawn_t:demo_yrs_1                     -1.144e-04  2.597e-02  -0.004
## asr_scr_withdrawn_t:demo_yrs_2                      3.499e-02  3.658e-02   0.957
## asr_scr_withdrawn_t:parent_rules_q1                -5.159e-04  5.445e-02  -0.009
## asr_scr_withdrawn_t:parent_rules_q4                 2.120e-02  5.502e-02   0.385
## asr_scr_withdrawn_t:parent_rules_q7                 3.286e-02  4.520e-02   0.727
## asr_scr_withdrawn_t:su_risk_p_1                    -4.410e-02  2.501e-02  -1.764
## asr_scr_withdrawn_t:su_risk_p_2_3                   4.093e-02  3.430e-02   1.194
## asr_scr_withdrawn_t:su_risk_p_4_5                   2.843e-02  3.670e-02   0.775
## asr_scr_withdrawn_t:neighborhood1_2_3_p            -1.402e-02  2.854e-02  -0.491
## asr_scr_withdrawn_t:neighborhood_crime_y            3.810e-02  2.318e-02   1.644
## asr_scr_withdrawn_t:sexM                            8.635e-02  5.153e-02   1.676
## asr_scr_somatic_t:asr_scr_thought_t                 8.011e-03  1.202e-02   0.667
## asr_scr_somatic_t:asr_scr_attention_t               1.756e-02  2.025e-02   0.867
## asr_scr_somatic_t:asr_scr_aggressive_t              2.057e-02  1.844e-02   1.115
## asr_scr_somatic_t:asr_scr_rulebreak_t               7.578e-03  1.465e-02   0.517
## asr_scr_somatic_t:asr_scr_intrusive_t               1.885e-02  1.538e-02   1.226
## asr_scr_somatic_t:asr_scr_internal_t                1.597e-02  2.036e-02   0.784
## asr_scr_somatic_t:asr_scr_external_t                1.045e-02  1.608e-02   0.650
## asr_scr_somatic_t:asr_scr_totprob_t                -4.129e-02  3.019e-02  -1.368
## asr_scr_somatic_t:asr_scr_depress_t                 3.162e-02  1.079e-02   2.930
## asr_scr_somatic_t:asr_scr_anxdisord_t               1.502e-02  1.156e-02   1.299
## asr_scr_somatic_t:asr_scr_somaticpr_t              -1.174e-03  3.442e-03  -0.341
## asr_scr_somatic_t:asr_scr_avoidant_t                4.877e-03  1.314e-02   0.371
```

```
## asr_scr_somatic_t:asr_scr_adhd_t                1.037e-02   4.565e-02    0.227
## asr_scr_somatic_t:asr_scr_antisocial_t         -1.337e-02   1.773e-02   -0.754
## asr_scr_somatic_t:asr_scr_inattention_t        -1.472e-02   2.776e-02   -0.530
## asr_scr_somatic_t:asr_scr_hyperactive_t        -5.427e-02   3.116e-02   -1.742
## asr_scr_somatic_t:crpbi_bothcare                3.130e-03   5.905e-03    0.530
## asr_scr_somatic_t:parent_monitor_y             -4.972e-02   8.235e-02   -0.604
## asr_scr_somatic_t:kbi_p_conflict               -2.439e-01   1.055e-01   -2.312
## asr_scr_somatic_t:kbi_p_c_best_friend           4.375e-03   5.520e-02    0.079
## asr_scr_somatic_t:kbi_p_c_reg_friend_group     -1.333e-01   8.626e-02   -1.545
## asr_scr_somatic_t:kbi_p_c_bully                 1.904e-01   1.083e-01    1.758
## asr_scr_somatic_t:kbi_p_c_mh_sa                -1.628e-01   1.042e-01   -1.562
## asr_scr_somatic_t:fes_youth                    -1.282e-02   2.042e-02   -0.628
## asr_scr_somatic_t:fes_p_ss_fc_pr              -6.941e-03   2.281e-02   -0.304
## asr_scr_somatic_t:macv_p_ss_fs                  2.578e-02   9.808e-02    0.263
## asr_scr_somatic_t:macv_p_ss_fo                  1.230e-01   9.379e-02    1.311
## asr_scr_somatic_t:macv_p_ss_isr               -8.584e-02   7.278e-02   -1.179
## asr_scr_somatic_t:macv_p_ss_fr                -1.191e-01   8.180e-02   -1.455
## asr_scr_somatic_t:macv_p_ss_r                   4.520e-02   4.997e-02    0.905
## asr_scr_somatic_t:demo_prnt_age_v2             3.751e-03   6.507e-03    0.576
## asr_scr_somatic_t:demo_prnt_marital_v2         3.574e-03   2.861e-02    0.125
## asr_scr_somatic_t:demo_comb_income_v2          4.959e-02   2.502e-02    1.982
## asr_scr_somatic_t:demo_fam_exp                 5.847e-02   1.128e-01    0.518
## asr_scr_somatic_t:demo_yrs_1                  -3.290e-02   4.278e-02   -0.769
## asr_scr_somatic_t:demo_yrs_2                  -2.246e-02   5.992e-02   -0.375
## asr_scr_somatic_t:parent_rules_q1            -4.517e-02   7.731e-02   -0.584
## asr_scr_somatic_t:parent_rules_q4             8.629e-03   7.986e-02    0.108
## asr_scr_somatic_t:parent_rules_q7             2.414e-02   7.376e-02    0.327
## asr_scr_somatic_t:su_risk_p_1                -3.316e-03   3.615e-02   -0.092
## asr_scr_somatic_t:su_risk_p_2_3              5.647e-03   5.615e-02    0.101
## asr_scr_somatic_t:su_risk_p_4_5              6.513e-03   6.270e-02    0.104
## asr_scr_somatic_t:neighborhood1_2_3_p         6.309e-02   4.679e-02    1.348
## asr_scr_somatic_t:neighborhood_crime_y       -4.757e-02   3.984e-02   -1.194
## asr_scr_somatic_t:sexM                         5.845e-02   7.892e-02    0.741
## asr_scr_thought_t:asr_scr_attention_t         6.042e-03   9.386e-03    0.644
## asr_scr_thought_t:asr_scr_aggressive_t        1.206e-02   8.798e-03    1.371
## asr_scr_thought_t:asr_scr_rulebreak_t         1.226e-03   6.893e-03    0.178
## asr_scr_thought_t:asr_scr_intrusive_t         2.638e-03   6.857e-03    0.385
## asr_scr_thought_t:asr_scr_internal_t          7.689e-03   9.584e-03    0.802
## asr_scr_thought_t:asr_scr_external_t          5.558e-04   8.341e-03    0.067
## asr_scr_thought_t:asr_scr_totprob_t          -1.295e-02   1.406e-02   -0.921
## asr_scr_thought_t:asr_scr_depress_t          -4.313e-03   7.379e-03   -0.584
## asr_scr_thought_t:asr_scr_anxdisord_t         4.681e-03   5.517e-03    0.848
## asr_scr_thought_t:asr_scr_somaticpr_t        -7.842e-03   9.442e-03   -0.831
## asr_scr_thought_t:asr_scr_avoidant_t         -1.129e-02   5.954e-03   -1.897
## asr_scr_thought_t:asr_scr_adhd_t              3.751e-02   2.029e-02    1.848
## asr_scr_thought_t:asr_scr_antisocial_t        2.096e-03   8.271e-03    0.253
## asr_scr_thought_t:asr_scr_inattention_t      -2.716e-02   1.326e-02   -2.048
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## asr_scr_thought_t:asr_scr_hyperactive_t          -1.916e-02   1.322e-02   -1.449
## asr_scr_thought_t:crpbi_bothcare                  2.143e-03   2.944e-03    0.728
## asr_scr_thought_t:parent_monitor_y                3.437e-02   3.877e-02    0.887
## asr_scr_thought_t:kbi_p_conflict                  8.865e-02   5.757e-02    1.540
## asr_scr_thought_t:kbi_p_c_best_friend             9.183e-03   2.584e-02    0.355
## asr_scr_thought_t:kbi_p_c_reg_friend_group       -7.744e-02   3.926e-02   -1.972
## asr_scr_thought_t:kbi_p_c_bully                  -8.744e-02   4.945e-02   -1.768
## asr_scr_thought_t:kbi_p_c_mh_sa                   4.817e-02   5.416e-02    0.889
## asr_scr_thought_t:fes_youth                      -8.992e-03   1.039e-02   -0.865
## asr_scr_thought_t:fes_p_ss_fc_pr                 -9.058e-03   1.063e-02   -0.852
## asr_scr_thought_t:macv_p_ss_fs                    2.883e-02   4.421e-02    0.652
## asr_scr_thought_t:macv_p_ss_fo                   -1.388e-01   4.316e-02   -3.217
## asr_scr_thought_t:macv_p_ss_isr                   7.401e-02   3.595e-02    2.059
## asr_scr_thought_t:macv_p_ss_fr                    2.422e-02   4.020e-02    0.603
## asr_scr_thought_t:macv_p_ss_r                    -3.927e-03   2.554e-02   -0.154
## asr_scr_thought_t:demo_prnt_age_v2               4.321e-04   3.265e-03    0.132
## asr_scr_thought_t:demo_prnt_marital_v2           5.501e-04   1.469e-02    0.037
## asr_scr_thought_t:demo_comb_income_v2            1.087e-02   1.131e-02    0.961
## asr_scr_thought_t:demo_fam_exp                   3.424e-02   5.105e-02    0.671
## asr_scr_thought_t:demo_yrs_1                    -7.391e-03   2.034e-02   -0.363
## asr_scr_thought_t:demo_yrs_2                    -2.592e-02   3.019e-02   -0.859
## asr_scr_thought_t:parent_rules_q1              -5.339e-02   4.270e-02   -1.251
## asr_scr_thought_t:parent_rules_q4               8.369e-02   4.306e-02    1.944
## asr_scr_thought_t:parent_rules_q7              -9.019e-02   3.533e-02   -2.553
## asr_scr_thought_t:su_risk_p_1                   1.440e-02   1.857e-02    0.776
## asr_scr_thought_t:su_risk_p_2_3                 5.567e-03   2.803e-02    0.199
## asr_scr_thought_t:su_risk_p_4_5               -4.257e-02   2.974e-02   -1.432
## asr_scr_thought_t:neighborhood1_2_3_p          5.035e-03   2.228e-02    0.226
## asr_scr_thought_t:neighborhood_crime_y         7.512e-03   1.761e-02    0.427
## asr_scr_thought_t:sexM                        -4.869e-05   3.912e-02   -0.001
## asr_scr_attention_t:asr_scr_aggressive_t      -8.617e-03   1.590e-02   -0.542
## asr_scr_attention_t:asr_scr_rulebreak_t        2.908e-03   1.264e-02    0.230
## asr_scr_attention_t:asr_scr_intrusive_t        9.813e-03   1.221e-02    0.803
## asr_scr_attention_t:asr_scr_internal_t         5.068e-03   1.586e-02    0.320
## asr_scr_attention_t:asr_scr_external_t         2.719e-03   1.275e-02    0.213
## asr_scr_attention_t:asr_scr_totprob_t          2.955e-03   2.493e-02    0.119
## asr_scr_attention_t:asr_scr_depress_t          5.809e-05   1.201e-02    0.005
## asr_scr_attention_t:asr_scr_anxdisord_t       -8.852e-03   9.752e-03   -0.908
## asr_scr_attention_t:asr_scr_somaticpr_t       -5.639e-03   1.613e-02   -0.350
## asr_scr_attention_t:asr_scr_avoidant_t        -2.853e-02   1.126e-02   -2.534
## asr_scr_attention_t:asr_scr_adhd_t            -2.070e-03   2.336e-02   -0.089
## asr_scr_attention_t:asr_scr_antisocial_t      -6.642e-03   1.447e-02   -0.459
## asr_scr_attention_t:asr_scr_inattention_t      1.955e-03   1.429e-02    0.137
## asr_scr_attention_t:asr_scr_hyperactive_t     -1.381e-03   1.877e-02   -0.074
## asr_scr_attention_t:crpbi_bothcare            -4.336e-03   5.092e-03   -0.851
## asr_scr_attention_t:parent_monitor_y           1.090e-02   7.318e-02    0.149
## asr_scr_attention_t:kbi_p_conflict             6.772e-02   8.779e-02    0.771
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## asr_scr_attention_t:kbi_p_c_best_friend            2.479e-03   4.876e-02    0.051
## asr_scr_attention_t:kbi_p_c_reg_friend_group      -1.159e-02   7.123e-02   -0.163
## asr_scr_attention_t:kbi_p_c_bully                 -2.422e-01   9.436e-02   -2.567
## asr_scr_attention_t:kbi_p_c_mh_sa                  2.756e-01   9.530e-02    2.892
## asr_scr_attention_t:fes_youth                      9.678e-03   1.806e-02    0.536
## asr_scr_attention_t:fes_p_ss_fc_pr                 4.165e-02   1.869e-02    2.228
## asr_scr_attention_t:macv_p_ss_fs                   2.375e-01   8.200e-02    2.897
## asr_scr_attention_t:macv_p_ss_fo                   5.568e-02   7.881e-02    0.706
## asr_scr_attention_t:macv_p_ss_isr                  1.076e-01   6.067e-02    1.774
## asr_scr_attention_t:macv_p_ss_fr                  -4.877e-02   6.741e-02   -0.724
## asr_scr_attention_t:macv_p_ss_r                   -3.627e-02   4.296e-02   -0.844
## asr_scr_attention_t:demo_prnt_age_v2              -4.877e-03   5.729e-03   -0.851
## asr_scr_attention_t:demo_prnt_marital_v2          -2.962e-02   2.608e-02   -1.136
## asr_scr_attention_t:demo_comb_income_v2           -5.842e-03   2.149e-02   -0.272
## asr_scr_attention_t:demo_fam_exp                  -1.358e-01   9.657e-02   -1.406
## asr_scr_attention_t:demo_yrs_1                     2.631e-02   3.673e-02    0.716
## asr_scr_attention_t:demo_yrs_2                    -1.106e-02   5.229e-02   -0.212
## asr_scr_attention_t:parent_rules_q1               -5.560e-03   6.542e-02   -0.085
## asr_scr_attention_t:parent_rules_q4              -9.278e-02   6.891e-02   -1.346
## asr_scr_attention_t:parent_rules_q7               7.521e-02   5.915e-02    1.271
## asr_scr_attention_t:su_risk_p_1                   -7.612e-03   2.995e-02   -0.254
## asr_scr_attention_t:su_risk_p_2_3                  4.301e-02   4.699e-02    0.915
## asr_scr_attention_t:su_risk_p_4_5                 -4.437e-02   5.428e-02   -0.818
## asr_scr_attention_t:neighborhood1_2_3_p            3.971e-03   3.935e-02    0.101
## asr_scr_attention_t:neighborhood_crime_y          -5.114e-02   3.397e-02   -1.506
## asr_scr_attention_t:sexM                          -4.043e-02   6.695e-02   -0.604
## asr_scr_aggressive_t:asr_scr_rulebreak_t          -4.958e-03   7.517e-03   -0.660
## asr_scr_aggressive_t:asr_scr_intrusive_t           7.738e-03   8.633e-03    0.896
## asr_scr_aggressive_t:asr_scr_internal_t            3.483e-02   1.436e-02    2.426
## asr_scr_aggressive_t:asr_scr_external_t            1.478e-02   9.724e-03    1.520
## asr_scr_aggressive_t:asr_scr_totprob_t            -4.984e-02   2.246e-02   -2.219
## asr_scr_aggressive_t:asr_scr_depress_t             8.888e-05   1.144e-02    0.008
## asr_scr_aggressive_t:asr_scr_anxdisord_t          -1.918e-02   9.445e-03   -2.030
## asr_scr_aggressive_t:asr_scr_somaticpr_t          -1.017e-02   1.496e-02   -0.679
## asr_scr_aggressive_t:asr_scr_avoidant_t            1.292e-02   9.535e-03    1.355
## asr_scr_aggressive_t:asr_scr_adhd_t                1.616e-02   3.222e-02    0.502
## asr_scr_aggressive_t:asr_scr_antisocial_t          8.681e-03   1.141e-02    0.761
## asr_scr_aggressive_t:asr_scr_inattention_t        -6.742e-04   2.060e-02   -0.033
## asr_scr_aggressive_t:asr_scr_hyperactive_t        -2.713e-02   2.216e-02   -1.224
## asr_scr_aggressive_t:crpbi_bothcare                9.663e-04   4.380e-03    0.221
## asr_scr_aggressive_t:parent_monitor_y              8.263e-02   6.158e-02    1.342
## asr_scr_aggressive_t:kbi_p_conflict               -6.782e-03   6.846e-02   -0.099
## asr_scr_aggressive_t:kbi_p_c_best_friend           2.576e-02   3.971e-02    0.649
## asr_scr_aggressive_t:kbi_p_c_reg_friend_group     -1.122e-01   6.366e-02   -1.763
## asr_scr_aggressive_t:kbi_p_c_bully                -2.069e-01   7.759e-02   -2.667
## asr_scr_aggressive_t:kbi_p_c_mh_sa                -1.670e-01   7.447e-02   -2.243
## asr_scr_aggressive_t:fes_youth                     8.215e-03   1.466e-02    0.560
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## asr_scr_aggressive_t:fes_p_ss_fc_pr              2.694e-02   1.505e-02    1.790
## asr_scr_aggressive_t:macv_p_ss_fs                3.278e-02   6.640e-02    0.494
## asr_scr_aggressive_t:macv_p_ss_fo                1.751e-02   5.986e-02    0.292
## asr_scr_aggressive_t:macv_p_ss_isr               1.450e-03   5.227e-02    0.028
## asr_scr_aggressive_t:macv_p_ss_fr               -1.046e-01   5.699e-02   -1.836
## asr_scr_aggressive_t:macv_p_ss_r                 4.640e-04   3.592e-02    0.013
## asr_scr_aggressive_t:demo_prnt_age_v2           -1.602e-03   4.888e-03   -0.328
## asr_scr_aggressive_t:demo_prnt_marital_v2       -1.619e-02   2.121e-02   -0.763
## asr_scr_aggressive_t:demo_comb_income_v2         5.470e-03   1.807e-02    0.303
## asr_scr_aggressive_t:demo_fam_exp                9.198e-03   8.096e-02    0.114
## asr_scr_aggressive_t:demo_yrs_1                  1.300e-02   3.110e-02    0.418
## asr_scr_aggressive_t:demo_yrs_2                 -6.524e-02   4.408e-02   -1.480
## asr_scr_aggressive_t:parent_rules_q1            -7.261e-02   5.723e-02   -1.269
## asr_scr_aggressive_t:parent_rules_q4            -1.667e-02   6.136e-02   -0.272
## asr_scr_aggressive_t:parent_rules_q7             4.998e-02   5.573e-02    0.897
## asr_scr_aggressive_t:su_risk_p_1               -2.788e-02   2.644e-02   -1.054
## asr_scr_aggressive_t:su_risk_p_2_3              2.447e-02   4.015e-02    0.610
## asr_scr_aggressive_t:su_risk_p_4_5             -7.594e-02   4.294e-02   -1.768
## asr_scr_aggressive_t:neighborhood1_2_3_p        1.531e-02   3.286e-02    0.466
## asr_scr_aggressive_t:neighborhood_crime_y      -2.467e-03   2.669e-02   -0.092
## asr_scr_aggressive_t:sexM                      -8.480e-02   5.606e-02   -1.513
## asr_scr_rulebreak_t:asr_scr_intrusive_t        -1.429e-02   7.431e-03   -1.923
## asr_scr_rulebreak_t:asr_scr_internal_t          3.133e-02   1.281e-02    2.445
## asr_scr_rulebreak_t:asr_scr_external_t          2.244e-02   1.046e-02    2.145
## asr_scr_rulebreak_t:asr_scr_totprob_t          -4.110e-02   2.029e-02   -2.026
## asr_scr_rulebreak_t:asr_scr_depress_t          -6.443e-03   9.357e-03   -0.689
## asr_scr_rulebreak_t:asr_scr_anxdisord_t        -6.566e-04   7.010e-03   -0.094
## asr_scr_rulebreak_t:asr_scr_somaticpr_t        -1.393e-02   1.182e-02   -1.178
## asr_scr_rulebreak_t:asr_scr_avoidant_t          2.746e-03   8.121e-03    0.338
## asr_scr_rulebreak_t:asr_scr_adhd_t             -2.133e-02   2.649e-02   -0.805
## asr_scr_rulebreak_t:asr_scr_antisocial_t        9.021e-04   6.708e-03    0.134
## asr_scr_rulebreak_t:asr_scr_inattention_t       1.664e-02   1.666e-02    0.999
## asr_scr_rulebreak_t:asr_scr_hyperactive_t       4.013e-03   1.740e-02    0.231
## asr_scr_rulebreak_t:crpbi_bothcare              2.409e-03   3.436e-03    0.701
## asr_scr_rulebreak_t:parent_monitor_y            1.481e-02   4.955e-02    0.299
## asr_scr_rulebreak_t:kbi_p_conflict             -7.322e-02   5.922e-02   -1.236
## asr_scr_rulebreak_t:kbi_p_c_best_friend         3.483e-02   3.283e-02    1.061
## asr_scr_rulebreak_t:kbi_p_c_reg_friend_group   -5.115e-02   5.332e-02   -0.959
## asr_scr_rulebreak_t:kbi_p_c_bully               4.813e-02   6.656e-02    0.723
## asr_scr_rulebreak_t:kbi_p_c_mh_sa              -1.143e-01   6.881e-02   -1.661
## asr_scr_rulebreak_t:fes_youth                  -1.198e-02   1.207e-02   -0.993
## asr_scr_rulebreak_t:fes_p_ss_fc_pr              2.082e-02   1.361e-02    1.530
## asr_scr_rulebreak_t:macv_p_ss_fs                5.475e-02   5.555e-02    0.986
## asr_scr_rulebreak_t:macv_p_ss_fo               -3.109e-02   5.077e-02   -0.612
## asr_scr_rulebreak_t:macv_p_ss_isr              -4.850e-02   4.558e-02   -1.064
## asr_scr_rulebreak_t:macv_p_ss_fr               -8.560e-02   4.573e-02   -1.872
## asr_scr_rulebreak_t:macv_p_ss_r                 7.811e-02   3.150e-02    2.480
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## asr_scr_rulebreak_t:demo_prnt_age_v2              1.302e-03  4.244e-03   0.307
## asr_scr_rulebreak_t:demo_prnt_marital_v2         -2.583e-02  1.749e-02  -1.477
## asr_scr_rulebreak_t:demo_comb_income_v2           2.722e-02  1.663e-02   1.637
## asr_scr_rulebreak_t:demo_fam_exp                 -1.187e-02  6.288e-02  -0.189
## asr_scr_rulebreak_t:demo_yrs_1                   -2.256e-02  2.612e-02  -0.864
## asr_scr_rulebreak_t:demo_yrs_2                   -6.252e-02  3.483e-02  -1.795
## asr_scr_rulebreak_t:parent_rules_q1              -9.474e-02  4.492e-02  -2.109
## asr_scr_rulebreak_t:parent_rules_q4               4.522e-02  4.631e-02   0.977
## asr_scr_rulebreak_t:parent_rules_q7               2.403e-02  4.297e-02   0.559
## asr_scr_rulebreak_t:su_risk_p_1                  -1.007e-02  2.102e-02  -0.479
## asr_scr_rulebreak_t:su_risk_p_2_3                 6.046e-02  3.184e-02   1.899
## asr_scr_rulebreak_t:su_risk_p_4_5                -6.927e-02  3.328e-02  -2.081
## asr_scr_rulebreak_t:neighborhood1_2_3_p          -1.200e-02  2.746e-02  -0.437
## asr_scr_rulebreak_t:neighborhood_crime_y          3.448e-02  2.355e-02   1.464
## asr_scr_rulebreak_t:sexM                         -4.474e-02  4.600e-02  -0.973
## asr_scr_intrusive_t:asr_scr_internal_t           -1.824e-03  1.108e-02  -0.165
## asr_scr_intrusive_t:asr_scr_external_t            1.461e-02  1.099e-02   1.330
## asr_scr_intrusive_t:asr_scr_totprob_t            -2.506e-02  1.904e-02  -1.316
## asr_scr_intrusive_t:asr_scr_depress_t            -6.277e-03  9.164e-03  -0.685
## asr_scr_intrusive_t:asr_scr_anxdisord_t          -1.057e-02  7.909e-03  -1.336
## asr_scr_intrusive_t:asr_scr_somaticpr_t          -1.720e-03  1.202e-02  -0.143
## asr_scr_intrusive_t:asr_scr_avoidant_t           -7.118e-03  9.877e-03  -0.721
## asr_scr_intrusive_t:asr_scr_adhd_t                2.621e-03  2.992e-02   0.088
## asr_scr_intrusive_t:asr_scr_antisocial_t          1.476e-02  1.006e-02   1.467
## asr_scr_intrusive_t:asr_scr_inattention_t        -4.241e-03  1.771e-02  -0.240
## asr_scr_intrusive_t:asr_scr_hyperactive_t        -1.377e-02  1.975e-02  -0.697
## asr_scr_intrusive_t:crpbi_bothcare               -1.700e-03  3.697e-03  -0.460
## asr_scr_intrusive_t:parent_monitor_y              6.362e-02  4.912e-02   1.295
## asr_scr_intrusive_t:kbi_p_conflict               -3.777e-02  6.385e-02  -0.591
## asr_scr_intrusive_t:kbi_p_c_best_friend           1.350e-02  3.470e-02   0.389
## asr_scr_intrusive_t:kbi_p_c_reg_friend_group      5.487e-02  6.045e-02   0.908
## asr_scr_intrusive_t:kbi_p_c_bully                 6.704e-03  6.754e-02   0.099
## asr_scr_intrusive_t:kbi_p_c_mh_sa                 9.513e-02  6.924e-02   1.374
## asr_scr_intrusive_t:fes_youth                     3.360e-03  1.372e-02   0.245
## asr_scr_intrusive_t:fes_p_ss_fc_pr                2.455e-04  1.339e-02   0.018
## asr_scr_intrusive_t:macv_p_ss_fs                 -1.699e-02  5.512e-02  -0.308
## asr_scr_intrusive_t:macv_p_ss_fo                  6.258e-02  5.246e-02   1.193
## asr_scr_intrusive_t:macv_p_ss_isr                -3.998e-02  4.512e-02  -0.886
## asr_scr_intrusive_t:macv_p_ss_fr                  4.251e-03  4.874e-02   0.087
## asr_scr_intrusive_t:macv_p_ss_r                   9.517e-03  3.159e-02   0.301
## asr_scr_intrusive_t:demo_prnt_age_v2             -1.610e-03  4.255e-03  -0.378
## asr_scr_intrusive_t:demo_prnt_marital_v2          2.456e-02  1.844e-02   1.332
## asr_scr_intrusive_t:demo_comb_income_v2          -1.007e-03  1.667e-02  -0.060
## asr_scr_intrusive_t:demo_fam_exp                 -1.521e-01  7.795e-02  -1.951
## asr_scr_intrusive_t:demo_yrs_1                    2.175e-02  2.822e-02   0.771
## asr_scr_intrusive_t:demo_yrs_2                   -4.585e-02  3.920e-02  -1.170
## asr_scr_intrusive_t:parent_rules_q1               6.866e-02  5.569e-02   1.233
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## asr_scr_intrusive_t:parent_rules_q4                   -5.448e-03   5.718e-02   -0.095
## asr_scr_intrusive_t:parent_rules_q7                   -5.696e-02   4.914e-02   -1.159
## asr_scr_intrusive_t:su_risk_p_1                        -3.471e-02   2.067e-02   -1.680
## asr_scr_intrusive_t:su_risk_p_2_3                      -4.755e-03   3.388e-02   -0.140
## asr_scr_intrusive_t:su_risk_p_4_5                      -2.847e-02   3.509e-02   -0.811
## asr_scr_intrusive_t:neighborhood1_2_3_p                3.137e-02   2.858e-02    1.098
## asr_scr_intrusive_t:neighborhood_crime_y              -5.018e-02   2.420e-02   -2.073
## asr_scr_intrusive_t:sexM                              -3.315e-02   4.765e-02   -0.696
## asr_scr_internal_t:asr_scr_external_t                 -6.076e-03   6.510e-03   -0.933
## asr_scr_internal_t:asr_scr_totprob_t                  -2.941e-03   5.207e-03   -0.565
## asr_scr_internal_t:asr_scr_depress_t                  -2.820e-02   1.618e-02   -1.744
## asr_scr_internal_t:asr_scr_anxdisord_t                 1.526e-02   1.486e-02    1.027
## asr_scr_internal_t:asr_scr_somaticpr_t                -9.665e-03   1.664e-02   -0.581
## asr_scr_internal_t:asr_scr_avoidant_t                 -2.513e-02   1.711e-02   -1.468
## asr_scr_internal_t:asr_scr_adhd_t                     -2.221e-02   3.780e-02   -0.587
## asr_scr_internal_t:asr_scr_antisocial_t               -4.560e-03   1.417e-02   -0.322
## asr_scr_internal_t:asr_scr_inattention_t               1.759e-02   2.260e-02    0.778
## asr_scr_internal_t:asr_scr_hyperactive_t               2.322e-02   2.743e-02    0.846
## asr_scr_internal_t:crpbi_bothcare                     -2.070e-03   3.909e-03   -0.529
## asr_scr_internal_t:parent_monitor_y                    1.915e-02   5.414e-02    0.354
## asr_scr_internal_t:kbi_p_conflict                      6.084e-02   6.550e-02    0.929
## asr_scr_internal_t:kbi_p_c_best_friend                 2.068e-02   3.687e-02    0.561
## asr_scr_internal_t:kbi_p_c_reg_friend_group            7.209e-02   6.236e-02    1.156
## asr_scr_internal_t:kbi_p_c_bully                      -1.055e-01   7.747e-02   -1.362
## asr_scr_internal_t:kbi_p_c_mh_sa                       9.129e-02   6.469e-02    1.411
## asr_scr_internal_t:fes_youth                           1.580e-02   1.335e-02    1.183
## asr_scr_internal_t:fes_p_ss_fc_pr                     -3.953e-02   1.485e-02   -2.662
## asr_scr_internal_t:macv_p_ss_fs                        1.038e-01   6.553e-02    1.584
## asr_scr_internal_t:macv_p_ss_fo                       -4.180e-02   5.714e-02   -0.731
## asr_scr_internal_t:macv_p_ss_isr                      -3.665e-03   4.808e-02   -0.076
## asr_scr_internal_t:macv_p_ss_fr                        9.138e-03   5.152e-02    0.177
## asr_scr_internal_t:macv_p_ss_r                        -6.573e-03   3.299e-02   -0.199
## asr_scr_internal_t:demo_prnt_age_v2                   -3.681e-03   4.261e-03   -0.864
## asr_scr_internal_t:demo_prnt_marital_v2                3.102e-02   1.957e-02    1.585
## asr_scr_internal_t:demo_comb_income_v2                 1.806e-02   1.583e-02    1.141
## asr_scr_internal_t:demo_fam_exp                       -6.594e-02   8.166e-02   -0.807
## asr_scr_internal_t:demo_yrs_1                          5.247e-03   2.856e-02    0.184
## asr_scr_internal_t:demo_yrs_2                         -5.879e-02   3.927e-02   -1.497
## asr_scr_internal_t:parent_rules_q1                     3.473e-02   5.201e-02    0.668
## asr_scr_internal_t:parent_rules_q4                     6.093e-03   5.678e-02    0.107
## asr_scr_internal_t:parent_rules_q7                    -1.036e-01   5.223e-02   -1.984
## asr_scr_internal_t:su_risk_p_1                         6.542e-03   2.356e-02    0.278
## asr_scr_internal_t:su_risk_p_2_3                       1.574e-03   3.802e-02    0.041
## asr_scr_internal_t:su_risk_p_4_5                      -8.547e-03   4.408e-02   -0.194
## asr_scr_internal_t:neighborhood1_2_3_p                 1.243e-02   3.205e-02    0.388
## asr_scr_internal_t:neighborhood_crime_y               -2.035e-02   2.565e-02   -0.793
## asr_scr_internal_t:sexM                                8.448e-02   5.147e-02    1.641
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## asr_scr_external_t:asr_scr_totprob_t              1.466e-02   6.242e-03    2.349
## asr_scr_external_t:asr_scr_depress_t             -2.404e-03   1.096e-02   -0.219
## asr_scr_external_t:asr_scr_anxdisord_t            1.298e-02   9.282e-03    1.399
## asr_scr_external_t:asr_scr_somaticpr_t           -1.391e-02   1.278e-02   -1.089
## asr_scr_external_t:asr_scr_avoidant_t            -1.863e-02   8.522e-03   -2.186
## asr_scr_external_t:asr_scr_adhd_t                -2.047e-02   2.595e-02   -0.789
## asr_scr_external_t:asr_scr_antisocial_t          -1.640e-02   1.543e-02   -1.063
## asr_scr_external_t:asr_scr_inattention_t          8.761e-03   1.619e-02    0.541
## asr_scr_external_t:asr_scr_hyperactive_t          1.990e-02   2.056e-02    0.968
## asr_scr_external_t:crpbi_bothcare                -1.753e-03   3.173e-03   -0.553
## asr_scr_external_t:parent_monitor_y              -1.454e-02   4.503e-02   -0.323
## asr_scr_external_t:kbi_p_conflict                 2.202e-02   5.415e-02    0.407
## asr_scr_external_t:kbi_p_c_best_friend            3.412e-03   2.863e-02    0.119
## asr_scr_external_t:kbi_p_c_reg_friend_group       8.838e-02   4.928e-02    1.794
## asr_scr_external_t:kbi_p_c_bully                  5.783e-03   5.851e-02    0.099
## asr_scr_external_t:kbi_p_c_mh_sa                  9.506e-02   5.202e-02    1.827
## asr_scr_external_t:fes_youth                     -2.698e-03   1.122e-02   -0.241
## asr_scr_external_t:fes_p_ss_fc_pr                -6.354e-03   1.257e-02   -0.505
## asr_scr_external_t:macv_p_ss_fs                   1.071e-01   5.154e-02    2.077
## asr_scr_external_t:macv_p_ss_fo                  -1.032e-01   4.725e-02   -2.184
## asr_scr_external_t:macv_p_ss_isr                 -4.699e-02   3.653e-02   -1.286
## asr_scr_external_t:macv_p_ss_fr                   6.525e-02   4.142e-02    1.575
## asr_scr_external_t:macv_p_ss_r                   -1.672e-02   2.711e-02   -0.617
## asr_scr_external_t:demo_prnt_age_v2              -5.522e-03   3.381e-03   -1.633
## asr_scr_external_t:demo_prnt_marital_v2          -1.842e-04   1.544e-02   -0.012
## asr_scr_external_t:demo_comb_income_v2           -3.528e-03   1.246e-02   -0.283
## asr_scr_external_t:demo_fam_exp                   4.164e-02   6.008e-02    0.693
## asr_scr_external_t:demo_yrs_1                     2.015e-02   2.242e-02    0.899
## asr_scr_external_t:demo_yrs_2                    -1.479e-03   3.235e-02   -0.046
## asr_scr_external_t:parent_rules_q1                3.601e-02   4.332e-02    0.831
## asr_scr_external_t:parent_rules_q4                2.805e-02   4.542e-02    0.618
## asr_scr_external_t:parent_rules_q7               -5.965e-02   4.326e-02   -1.379
## asr_scr_external_t:su_risk_p_1                    1.225e-02   1.911e-02    0.641
## asr_scr_external_t:su_risk_p_2_3                 -3.725e-02   3.225e-02   -1.155
## asr_scr_external_t:su_risk_p_4_5                  6.606e-02   3.685e-02    1.793
## asr_scr_external_t:neighborhood1_2_3_p            2.658e-02   2.511e-02    1.059
## asr_scr_external_t:neighborhood_crime_y          -5.672e-03   2.014e-02   -0.282
## asr_scr_external_t:sexM                           7.686e-02   4.080e-02    1.884
## asr_scr_totprob_t:asr_scr_depress_t               9.508e-03   2.283e-02    0.416
## asr_scr_totprob_t:asr_scr_anxdisord_t            -2.253e-02   1.827e-02   -1.234
## asr_scr_totprob_t:asr_scr_somaticpr_t             3.262e-02   2.382e-02    1.370
## asr_scr_totprob_t:asr_scr_avoidant_t              3.617e-02   1.902e-02    1.901
## asr_scr_totprob_t:asr_scr_adhd_t                  5.266e-02   5.837e-02    0.902
## asr_scr_totprob_t:asr_scr_antisocial_t            2.367e-03   2.433e-02    0.097
## asr_scr_totprob_t:asr_scr_inattention_t          -2.553e-02   3.563e-02   -0.716
## asr_scr_totprob_t:asr_scr_hyperactive_t          -3.914e-03   3.961e-02   -0.099
## asr_scr_totprob_t:crpbi_bothcare                  1.554e-03   5.411e-03    0.287
```

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## asr_scr_totprob_t:parent_monitor_y           -6.247e-02   7.727e-02   -0.809
## asr_scr_totprob_t:kbi_p_conflict             -6.062e-02   9.374e-02   -0.647
## asr_scr_totprob_t:kbi_p_c_best_friend        -3.527e-03   4.891e-02   -0.072
## asr_scr_totprob_t:kbi_p_c_reg_friend_group   -7.848e-02   8.435e-02   -0.930
## asr_scr_totprob_t:kbi_p_c_bully               9.188e-02   1.021e-01    0.899
## asr_scr_totprob_t:kbi_p_c_mh_sa              -1.359e-01   9.235e-02   -1.471
## asr_scr_totprob_t:fes_youth                  -1.392e-02   1.841e-02   -0.756
## asr_scr_totprob_t:fes_p_ss_fc_pr             6.091e-03   2.109e-02    0.289
## asr_scr_totprob_t:macv_p_ss_fs               -1.830e-01   8.739e-02   -2.094
## asr_scr_totprob_t:macv_p_ss_fo               1.264e-01   7.835e-02    1.613
## asr_scr_totprob_t:macv_p_ss_isr              2.555e-02   6.453e-02    0.396
## asr_scr_totprob_t:macv_p_ss_fr               -4.280e-02   7.007e-02   -0.611
## asr_scr_totprob_t:macv_p_ss_r                2.888e-02   4.491e-02    0.643
## asr_scr_totprob_t:demo_prnt_age_v2           6.118e-03   5.928e-03    1.032
## asr_scr_totprob_t:demo_prnt_marital_v2       -1.302e-03   2.738e-02   -0.048
## asr_scr_totprob_t:demo_comb_income_v2        -1.099e-02   2.132e-02   -0.515
## asr_scr_totprob_t:demo_fam_exp               1.743e-02   1.105e-01    0.158
## asr_scr_totprob_t:demo_yrs_1                 -1.334e-02   3.924e-02   -0.340
## asr_scr_totprob_t:demo_yrs_2                 3.784e-02   5.524e-02    0.685
## asr_scr_totprob_t:parent_rules_q1            -8.509e-03   7.593e-02   -0.112
## asr_scr_totprob_t:parent_rules_q4            -7.582e-02   7.787e-02   -0.974
## asr_scr_totprob_t:parent_rules_q7            1.574e-01   7.397e-02    2.128
## asr_scr_totprob_t:su_risk_p_1                1.069e-02   3.289e-02    0.325
## asr_scr_totprob_t:su_risk_p_2_3              2.265e-02   5.455e-02    0.415
## asr_scr_totprob_t:su_risk_p_4_5              -4.593e-02   6.316e-02   -0.727
## asr_scr_totprob_t:neighborhood1_2_3_p        -8.279e-02   4.377e-02   -1.891
## asr_scr_totprob_t:neighborhood_crime_y       2.593e-02   3.455e-02    0.751
## asr_scr_totprob_t:sexM                       -1.574e-01   7.037e-02   -2.236
## asr_scr_depress_t:asr_scr_anxdisord_t        -3.752e-03   6.604e-03   -0.568
## asr_scr_depress_t:asr_scr_somaticpr_t        -2.154e-02   8.849e-03   -2.434
## asr_scr_depress_t:asr_scr_avoidant_t         2.097e-03   7.150e-03    0.293
## asr_scr_depress_t:asr_scr_adhd_t             3.028e-02   2.461e-02    1.231
## asr_scr_depress_t:asr_scr_antisocial_t       -1.218e-03   1.033e-02   -0.118
## asr_scr_depress_t:asr_scr_inattention_t      -2.312e-02   1.538e-02   -1.504
## asr_scr_depress_t:asr_scr_hyperactive_t      -1.802e-02   1.704e-02   -1.057
## asr_scr_depress_t:crpbi_bothcare             2.383e-03   3.854e-03    0.618
## asr_scr_depress_t:parent_monitor_y           -2.951e-02   5.204e-02   -0.567
## asr_scr_depress_t:kbi_p_conflict             4.556e-02   6.487e-02    0.702
## asr_scr_depress_t:kbi_p_c_best_friend        -2.956e-02   3.491e-02   -0.847
## asr_scr_depress_t:kbi_p_c_reg_friend_group   6.778e-02   5.584e-02    1.214
## asr_scr_depress_t:kbi_p_c_bully              2.564e-02   7.377e-02    0.348
## asr_scr_depress_t:kbi_p_c_mh_sa              -6.458e-02   6.962e-02   -0.928
## asr_scr_depress_t:fes_youth                  -9.364e-03   1.264e-02   -0.741
## asr_scr_depress_t:fes_p_ss_fc_pr             1.071e-02   1.381e-02    0.776
## asr_scr_depress_t:macv_p_ss_fs               -1.847e-01   6.293e-02   -2.936
## asr_scr_depress_t:macv_p_ss_fo               -3.332e-02   5.959e-02   -0.559
## asr_scr_depress_t:macv_p_ss_isr              4.143e-02   4.909e-02    0.844
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## asr_scr_depress_t:macv_p_ss_fr             1.058e-01   5.106e-02    2.073
## asr_scr_depress_t:macv_p_ss_r              3.483e-02   3.198e-02    1.089
## asr_scr_depress_t:demo_prnt_age_v2        -8.675e-03   4.433e-03   -1.957
## asr_scr_depress_t:demo_prnt_marital_v2    -1.154e-02   1.938e-02   -0.596
## asr_scr_depress_t:demo_comb_income_v2     -1.786e-03   1.588e-02   -0.113
## asr_scr_depress_t:demo_fam_exp            -7.224e-02   7.039e-02   -1.026
## asr_scr_depress_t:demo_yrs_1              -3.936e-03   2.764e-02   -0.142
## asr_scr_depress_t:demo_yrs_2              -2.481e-03   3.931e-02   -0.063
## asr_scr_depress_t:parent_rules_q1         -5.144e-02   5.171e-02   -0.995
## asr_scr_depress_t:parent_rules_q4          2.783e-02   5.119e-02    0.544
## asr_scr_depress_t:parent_rules_q7          2.539e-02   4.842e-02    0.524
## asr_scr_depress_t:su_risk_p_1             -1.239e-02   2.290e-02   -0.541
## asr_scr_depress_t:su_risk_p_2_3            3.075e-02   3.217e-02    0.956
## asr_scr_depress_t:su_risk_p_4_5            5.240e-03   3.737e-02    0.140
## asr_scr_depress_t:neighborhood1_2_3_p     -5.310e-02   2.914e-02   -1.822
## asr_scr_depress_t:neighborhood_crime_y     2.203e-02   2.490e-02    0.885
## asr_scr_depress_t:sexM                    -1.231e-04   4.977e-02   -0.002
## asr_scr_anxdisord_t:asr_scr_somaticpr_t   -1.280e-02   9.341e-03   -1.370
## asr_scr_anxdisord_t:asr_scr_avoidant_t     1.249e-02   5.689e-03    2.195
## asr_scr_anxdisord_t:asr_scr_adhd_t         2.953e-02   2.106e-02    1.402
## asr_scr_anxdisord_t:asr_scr_antisocial_t   1.462e-02   8.234e-03    1.776
## asr_scr_anxdisord_t:asr_scr_inattention_t -5.498e-03   1.337e-02   -0.411
## asr_scr_anxdisord_t:asr_scr_hyperactive_t -1.817e-02   1.421e-02   -1.279
## asr_scr_anxdisord_t:crpbi_bothcare         2.882e-03   3.061e-03    0.942
## asr_scr_anxdisord_t:parent_monitor_y       1.193e-01   4.668e-02    2.556
## asr_scr_anxdisord_t:kbi_p_conflict        -1.185e-01   5.819e-02   -2.037
## asr_scr_anxdisord_t:kbi_p_c_best_friend   -1.129e-02   3.026e-02   -0.373
## asr_scr_anxdisord_t:kbi_p_c_reg_friend_group  2.673e-02  4.253e-02   0.629
## asr_scr_anxdisord_t:kbi_p_c_bully          3.804e-02   5.471e-02    0.695
## asr_scr_anxdisord_t:kbi_p_c_mh_sa         -1.929e-03   5.648e-02   -0.034
## asr_scr_anxdisord_t:fes_youth             3.240e-03   1.127e-02    0.288
## asr_scr_anxdisord_t:fes_p_ss_fc_pr         2.557e-02   1.105e-02    2.315
## asr_scr_anxdisord_t:macv_p_ss_fs          -7.585e-02   5.226e-02   -1.451
## asr_scr_anxdisord_t:macv_p_ss_fo           1.246e-02   4.422e-02    0.282
## asr_scr_anxdisord_t:macv_p_ss_isr          3.896e-03   3.728e-02    0.104
## asr_scr_anxdisord_t:macv_p_ss_fr           3.994e-02   4.131e-02    0.967
## asr_scr_anxdisord_t:macv_p_ss_r            2.563e-02   2.639e-02    0.971
## asr_scr_anxdisord_t:demo_prnt_age_v2      -9.991e-03   3.700e-03   -2.700
## asr_scr_anxdisord_t:demo_prnt_marital_v2  -1.380e-02   1.594e-02   -0.866
## asr_scr_anxdisord_t:demo_comb_income_v2    7.135e-03   1.227e-02    0.581
## asr_scr_anxdisord_t:demo_fam_exp           7.201e-02   5.980e-02    1.204
## asr_scr_anxdisord_t:demo_yrs_1             8.947e-03   2.278e-02    0.393
## asr_scr_anxdisord_t:demo_yrs_2            -3.716e-02   3.163e-02   -1.175
## asr_scr_anxdisord_t:parent_rules_q1       -1.881e-03   4.175e-02   -0.045
## asr_scr_anxdisord_t:parent_rules_q4        7.263e-02   4.386e-02    1.656
## asr_scr_anxdisord_t:parent_rules_q7       -6.938e-02   4.227e-02   -1.641
## asr_scr_anxdisord_t:su_risk_p_1           -5.980e-04   1.943e-02   -0.031
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## asr_scr_anxdisord_t:su_risk_p_2_3                -2.381e-02  2.975e-02  -0.800
## asr_scr_anxdisord_t:su_risk_p_4_5                 5.558e-02  3.211e-02   1.731
## asr_scr_anxdisord_t:neighborhood1_2_3_p          4.501e-02  2.486e-02   1.811
## asr_scr_anxdisord_t:neighborhood_crime_y        -2.658e-02  2.116e-02  -1.256
## asr_scr_anxdisord_t:sexM                         -5.576e-03  4.044e-02  -0.138
## asr_scr_somaticpr_t:asr_scr_avoidant_t          -1.425e-04  1.032e-02  -0.014
## asr_scr_somaticpr_t:asr_scr_adhd_t              -1.975e-02  3.643e-02  -0.542
## asr_scr_somaticpr_t:asr_scr_antisocial_t         2.432e-03  1.449e-02   0.168
## asr_scr_somaticpr_t:asr_scr_inattention_t        1.304e-02  2.220e-02   0.587
## asr_scr_somaticpr_t:asr_scr_hyperactive_t        4.890e-02  2.426e-02   2.015
## asr_scr_somaticpr_t:crpbi_bothcare               1.281e-03  4.860e-03   0.263
## asr_scr_somaticpr_t:parent_monitor_y             1.399e-02  6.652e-02   0.210
## asr_scr_somaticpr_t:kbi_p_conflict               1.839e-01  8.592e-02   2.140
## asr_scr_somaticpr_t:kbi_p_c_best_friend         -4.383e-02  4.477e-02  -0.979
## asr_scr_somaticpr_t:kbi_p_c_reg_friend_group     5.990e-02  6.858e-02   0.873
## asr_scr_somaticpr_t:kbi_p_c_bully               -8.294e-02  8.705e-02  -0.953
## asr_scr_somaticpr_t:kbi_p_c_mh_sa                7.724e-02  8.411e-02   0.918
## asr_scr_somaticpr_t:fes_youth                   -6.262e-04  1.646e-02  -0.038
## asr_scr_somaticpr_t:fes_p_ss_fc_pr               2.214e-02  1.870e-02   1.184
## asr_scr_somaticpr_t:macv_p_ss_fs                 1.766e-02  7.766e-02   0.227
## asr_scr_somaticpr_t:macv_p_ss_fo               -7.095e-02  7.535e-02  -0.942
## asr_scr_somaticpr_t:macv_p_ss_isr                8.938e-02  5.853e-02   1.527
## asr_scr_somaticpr_t:macv_p_ss_fr                 3.554e-02  6.570e-02   0.541
## asr_scr_somaticpr_t:macv_p_ss_r                 -5.354e-02  3.899e-02  -1.373
## asr_scr_somaticpr_t:demo_prnt_age_v2            -3.575e-03  5.277e-03  -0.677
## asr_scr_somaticpr_t:demo_prnt_marital_v2        -4.208e-03  2.366e-02  -0.178
## asr_scr_somaticpr_t:demo_comb_income_v2         -3.505e-02  2.027e-02  -1.729
## asr_scr_somaticpr_t:demo_fam_exp                 6.646e-02  9.085e-02   0.732
## asr_scr_somaticpr_t:demo_yrs_1                   1.404e-02  3.454e-02   0.407
## asr_scr_somaticpr_t:demo_yrs_2                   6.840e-02  4.724e-02   1.448
## asr_scr_somaticpr_t:parent_rules_q1              3.475e-02  6.039e-02   0.575
## asr_scr_somaticpr_t:parent_rules_q4              1.550e-02  6.504e-02   0.238
## asr_scr_somaticpr_t:parent_rules_q7             -8.887e-03  6.052e-02  -0.147
## asr_scr_somaticpr_t:su_risk_p_1                 -9.536e-03  2.878e-02  -0.331
## asr_scr_somaticpr_t:su_risk_p_2_3                2.189e-02  4.552e-02   0.481
## asr_scr_somaticpr_t:su_risk_p_4_5              -1.988e-03  5.068e-02  -0.039
## asr_scr_somaticpr_t:neighborhood1_2_3_p        -1.347e-02  3.764e-02  -0.358
## asr_scr_somaticpr_t:neighborhood_crime_y         4.954e-02  3.205e-02   1.546
## asr_scr_somaticpr_t:sexM                        -1.090e-01  6.360e-02  -1.714
## asr_scr_avoidant_t:asr_scr_adhd_t                7.086e-02  2.274e-02   3.116
## asr_scr_avoidant_t:asr_scr_antisocial_t          6.140e-03  9.492e-03   0.647
## asr_scr_avoidant_t:asr_scr_inattention_t        -2.932e-02  1.448e-02  -2.024
## asr_scr_avoidant_t:asr_scr_hyperactive_t        -4.126e-02  1.587e-02  -2.600
## asr_scr_avoidant_t:crpbi_bothcare                5.966e-03  3.325e-03   1.794
## asr_scr_avoidant_t:parent_monitor_y              6.186e-02  4.678e-02   1.322
## asr_scr_avoidant_t:kbi_p_conflict               -3.094e-02  5.787e-02  -0.535
## asr_scr_avoidant_t:kbi_p_c_best_friend          -9.853e-03  2.861e-02  -0.344
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## asr_scr_avoidant_t:kbi_p_c_reg_friend_group      4.607e-02   4.696e-02    0.981
## asr_scr_avoidant_t:kbi_p_c_bully                 2.263e-02   5.801e-02    0.390
## asr_scr_avoidant_t:kbi_p_c_mh_sa               -2.408e-02   5.770e-02   -0.417
## asr_scr_avoidant_t:fes_youth                     3.461e-03   1.121e-02    0.309
## asr_scr_avoidant_t:fes_p_ss_fc_pr                3.149e-02   1.153e-02    2.732
## asr_scr_avoidant_t:macv_p_ss_fs                  1.493e-01   5.248e-02    2.845
## asr_scr_avoidant_t:macv_p_ss_fo               -1.003e-01   4.922e-02   -2.038
## asr_scr_avoidant_t:macv_p_ss_isr              -1.965e-02   3.927e-02   -0.500
## asr_scr_avoidant_t:macv_p_ss_fr                  1.216e-01   4.485e-02    2.711
## asr_scr_avoidant_t:macv_p_ss_r                -1.583e-02   2.655e-02   -0.596
## asr_scr_avoidant_t:demo_prnt_age_v2           -7.242e-04   3.722e-03   -0.195
## asr_scr_avoidant_t:demo_prnt_marital_v2       -1.854e-02   1.791e-02   -1.035
## asr_scr_avoidant_t:demo_comb_income_v2           1.761e-02   1.395e-02    1.262
## asr_scr_avoidant_t:demo_fam_exp                  1.414e-01   6.463e-02    2.187
## asr_scr_avoidant_t:demo_yrs_1                    3.566e-02   2.318e-02    1.538
## asr_scr_avoidant_t:demo_yrs_2                 -7.409e-02   3.437e-02   -2.156
## asr_scr_avoidant_t:parent_rules_q1               3.041e-02   4.292e-02    0.709
## asr_scr_avoidant_t:parent_rules_q4               7.493e-03   4.544e-02    0.165
## asr_scr_avoidant_t:parent_rules_q7               3.021e-02   3.825e-02    0.790
## asr_scr_avoidant_t:su_risk_p_1                   9.780e-03   2.003e-02    0.488
## asr_scr_avoidant_t:su_risk_p_2_3                 6.175e-03   3.311e-02    0.187
## asr_scr_avoidant_t:su_risk_p_4_5             -2.091e-02   3.624e-02   -0.577
## asr_scr_avoidant_t:neighborhood1_2_3_p       -1.144e-02   2.625e-02   -0.436
## asr_scr_avoidant_t:neighborhood_crime_y      -7.574e-04   2.200e-02   -0.034
## asr_scr_avoidant_t:sexM                       -5.867e-02   4.315e-02   -1.360
## asr_scr_adhd_t:asr_scr_antisocial_t              2.471e-02   2.974e-02    0.831
## asr_scr_adhd_t:asr_scr_inattention_t          -9.809e-03   8.017e-03   -1.223
## asr_scr_adhd_t:asr_scr_hyperactive_t             5.076e-04   7.703e-03    0.066
## asr_scr_adhd_t:crpbi_bothcare                 -5.766e-03   1.050e-02   -0.549
## asr_scr_adhd_t:parent_monitor_y                  8.388e-02   1.505e-01    0.557
## asr_scr_adhd_t:kbi_p_conflict                 -3.935e-02   1.714e-01   -0.230
## asr_scr_adhd_t:kbi_p_c_best_friend            -7.246e-02   8.889e-02   -0.815
## asr_scr_adhd_t:kbi_p_c_reg_friend_group       -6.288e-02   1.462e-01   -0.430
## asr_scr_adhd_t:kbi_p_c_bully                  -3.592e-01   2.114e-01   -1.699
## asr_scr_adhd_t:kbi_p_c_mh_sa                  -5.900e-01   2.012e-01   -2.933
## asr_scr_adhd_t:fes_youth                      -3.485e-02   3.645e-02   -0.956
## asr_scr_adhd_t:fes_p_ss_fc_pr                 -5.387e-02   3.798e-02   -1.418
## asr_scr_adhd_t:macv_p_ss_fs                      2.978e-02   1.614e-01    0.185
## asr_scr_adhd_t:macv_p_ss_fo                      1.605e-01   1.498e-01    1.071
## asr_scr_adhd_t:macv_p_ss_isr                  -2.335e-01   1.251e-01   -1.867
## asr_scr_adhd_t:macv_p_ss_fr                      3.818e-02   1.350e-01    0.283
## asr_scr_adhd_t:macv_p_ss_r                    -1.447e-01   9.054e-02   -1.598
## asr_scr_adhd_t:demo_prnt_age_v2                  1.808e-02   1.152e-02    1.569
## asr_scr_adhd_t:demo_prnt_marital_v2              1.161e-01   5.363e-02    2.164
## asr_scr_adhd_t:demo_comb_income_v2               1.509e-03   4.563e-02    0.033
## asr_scr_adhd_t:demo_fam_exp                   -2.558e-03   1.961e-01   -0.013
## asr_scr_adhd_t:demo_yrs_1                     -2.175e-02   7.458e-02   -0.292
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## asr_scr_adhd_t:demo_yrs_2                               1.777e-01  1.079e-01   1.646
## asr_scr_adhd_t:parent_rules_q1                         -2.051e-01  1.378e-01  -1.489
## asr_scr_adhd_t:parent_rules_q4                          1.277e-01  1.413e-01   0.904
## asr_scr_adhd_t:parent_rules_q7                          1.540e-02  1.302e-01   0.118
## asr_scr_adhd_t:su_risk_p_1                              1.466e-02  5.997e-02   0.244
## asr_scr_adhd_t:su_risk_p_2_3                            6.768e-02  9.404e-02   0.720
## asr_scr_adhd_t:su_risk_p_4_5                           -1.282e-01  1.070e-01  -1.199
## asr_scr_adhd_t:neighborhood1_2_3_p                      3.242e-02  8.016e-02   0.404
## asr_scr_adhd_t:neighborhood_crime_y                    -4.305e-02  6.682e-02  -0.644
## asr_scr_adhd_t:sexM                                     1.285e-02  1.381e-01   0.093
## asr_scr_antisocial_t:asr_scr_inattention_t            -7.474e-03  1.867e-02  -0.400
## asr_scr_antisocial_t:asr_scr_hyperactive_t            -6.647e-03  1.920e-02  -0.346
## asr_scr_antisocial_t:crpbi_bothcare                    9.509e-04  4.117e-03   0.231
## asr_scr_antisocial_t:parent_monitor_y                 -9.944e-02  5.905e-02  -1.684
## asr_scr_antisocial_t:kbi_p_conflict                   -6.666e-02  7.146e-02  -0.933
## asr_scr_antisocial_t:kbi_p_c_best_friend              -2.180e-02  3.756e-02  -0.581
## asr_scr_antisocial_t:kbi_p_c_reg_friend_group          9.046e-02  6.079e-02   1.488
## asr_scr_antisocial_t:kbi_p_c_bully                     6.025e-02  7.440e-02   0.810
## asr_scr_antisocial_t:kbi_p_c_mh_sa                     9.630e-02  8.052e-02   1.196
## asr_scr_antisocial_t:fes_youth                         1.475e-02  1.446e-02   1.020
## asr_scr_antisocial_t:fes_p_ss_fc_pr                    2.499e-03  1.517e-02   0.165
## asr_scr_antisocial_t:macv_p_ss_fs                     -1.287e-02  6.902e-02  -0.186
## asr_scr_antisocial_t:macv_p_ss_fo                      6.608e-03  5.672e-02   0.117
## asr_scr_antisocial_t:macv_p_ss_isr                     9.818e-03  5.426e-02   0.181
## asr_scr_antisocial_t:macv_p_ss_fr                      8.967e-02  5.419e-02   1.655
## asr_scr_antisocial_t:macv_p_ss_r                      -2.398e-02  3.587e-02  -0.668
## asr_scr_antisocial_t:demo_prnt_age_v2                  5.205e-03  4.782e-03   1.088
## asr_scr_antisocial_t:demo_prnt_marital_v2              2.053e-02  2.049e-02   1.002
## asr_scr_antisocial_t:demo_comb_income_v2              -1.514e-02  1.774e-02  -0.853
## asr_scr_antisocial_t:demo_fam_exp                      5.759e-02  7.637e-02   0.754
## asr_scr_antisocial_t:demo_yrs_1                        6.708e-03  3.139e-02   0.214
## asr_scr_antisocial_t:demo_yrs_2                        2.867e-02  4.270e-02   0.671
## asr_scr_antisocial_t:parent_rules_q1                   7.252e-02  5.367e-02   1.351
## asr_scr_antisocial_t:parent_rules_q4                  -5.809e-02  5.469e-02  -1.062
## asr_scr_antisocial_t:parent_rules_q7                  -2.041e-02  4.996e-02  -0.409
## asr_scr_antisocial_t:su_risk_p_1                       4.685e-02  2.628e-02   1.782
## asr_scr_antisocial_t:su_risk_p_2_3                    -7.453e-02  3.963e-02  -1.881
## asr_scr_antisocial_t:su_risk_p_4_5                     5.264e-02  4.098e-02   1.284
## asr_scr_antisocial_t:neighborhood1_2_3_p               5.155e-03  3.323e-02   0.155
## asr_scr_antisocial_t:neighborhood_crime_y             -3.283e-02  2.645e-02  -1.241
## asr_scr_antisocial_t:sexM                             -3.740e-03  5.499e-02  -0.068
## asr_scr_inattention_t:asr_scr_hyperactive_t            5.176e-03  1.115e-02   0.464
## asr_scr_inattention_t:crpbi_bothcare                   5.218e-03  6.564e-03   0.795
## asr_scr_inattention_t:parent_monitor_y                -4.718e-02  9.008e-02  -0.524
## asr_scr_inattention_t:kbi_p_conflict                   2.362e-03  1.047e-01   0.023
## asr_scr_inattention_t:kbi_p_c_best_friend              2.244e-02  5.542e-02   0.405
## asr_scr_inattention_t:kbi_p_c_reg_friend_group        -4.573e-03  9.236e-02  -0.050
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## asr_scr_inattention_t:kbi_p_c_bully              2.610e-01  1.290e-01   2.024
## asr_scr_inattention_t:kbi_p_c_mh_sa             1.122e-01  1.242e-01   0.903
## asr_scr_inattention_t:fes_youth                 1.503e-02  2.217e-02   0.678
## asr_scr_inattention_t:fes_p_ss_fc_pr           -4.363e-03  2.336e-02  -0.187
## asr_scr_inattention_t:macv_p_ss_fs             -1.777e-01  1.026e-01  -1.731
## asr_scr_inattention_t:macv_p_ss_fo             -1.201e-01  9.438e-02  -1.272
## asr_scr_inattention_t:macv_p_ss_isr             8.123e-02  7.876e-02   1.031
## asr_scr_inattention_t:macv_p_ss_fr              3.363e-02  8.754e-02   0.384
## asr_scr_inattention_t:macv_p_ss_r               1.089e-01  5.618e-02   1.938
## asr_scr_inattention_t:demo_prnt_age_v2         -7.379e-03  7.032e-03  -1.049
## asr_scr_inattention_t:demo_prnt_marital_v2     -5.577e-02  3.336e-02  -1.672
## asr_scr_inattention_t:demo_comb_income_v2       1.439e-02  2.775e-02   0.519
## asr_scr_inattention_t:demo_fam_exp              9.055e-02  1.226e-01   0.739
## asr_scr_inattention_t:demo_yrs_1              -6.170e-03  4.877e-02  -0.127
## asr_scr_inattention_t:demo_yrs_2              -1.012e-01  6.893e-02  -1.468
## asr_scr_inattention_t:parent_rules_q1           1.162e-01  8.434e-02   1.377
## asr_scr_inattention_t:parent_rules_q4           2.071e-02  8.906e-02   0.233
## asr_scr_inattention_t:parent_rules_q7         -6.977e-02  7.832e-02  -0.891
## asr_scr_inattention_t:su_risk_p_1             -2.116e-02  3.675e-02  -0.576
## asr_scr_inattention_t:su_risk_p_2_3           -6.165e-02  5.721e-02  -1.078
## asr_scr_inattention_t:su_risk_p_4_5             1.190e-01  6.622e-02   1.798
## asr_scr_inattention_t:neighborhood1_2_3_p     -2.183e-02  4.980e-02  -0.438
## asr_scr_inattention_t:neighborhood_crime_y      8.537e-02  4.234e-02   2.016
## asr_scr_inattention_t:sexM                      1.216e-01  8.381e-02   1.451
## asr_scr_hyperactive_t:crpbi_bothcare            5.387e-03  7.567e-03   0.712
## asr_scr_hyperactive_t:parent_monitor_y        -1.386e-01  1.047e-01  -1.323
## asr_scr_hyperactive_t:kbi_p_conflict            1.353e-01  1.201e-01   1.126
## asr_scr_hyperactive_t:kbi_p_c_best_friend       2.152e-02  6.337e-02   0.340
## asr_scr_hyperactive_t:kbi_p_c_reg_friend_group  1.287e-01  1.151e-01   1.119
## asr_scr_hyperactive_t:kbi_p_c_bully             3.653e-01  1.416e-01   2.579
## asr_scr_hyperactive_t:kbi_p_c_mh_sa             5.920e-01  1.372e-01   4.315
## asr_scr_hyperactive_t:fes_youth                 2.227e-02  2.429e-02   0.917
## asr_scr_hyperactive_t:fes_p_ss_fc_pr            2.245e-02  2.619e-02   0.857
## asr_scr_hyperactive_t:macv_p_ss_fs              2.651e-02  1.109e-01   0.239
## asr_scr_hyperactive_t:macv_p_ss_fo            -7.888e-02  1.023e-01  -0.771
## asr_scr_hyperactive_t:macv_p_ss_isr             1.626e-01  8.733e-02   1.861
## asr_scr_hyperactive_t:macv_p_ss_fr            -8.647e-02  9.467e-02  -0.913
## asr_scr_hyperactive_t:macv_p_ss_r               2.959e-02  6.371e-02   0.464
## asr_scr_hyperactive_t:demo_prnt_age_v2        -9.619e-03  8.409e-03  -1.144
## asr_scr_hyperactive_t:demo_prnt_marital_v2    -3.342e-02  3.703e-02  -0.902
## asr_scr_hyperactive_t:demo_comb_income_v2     -1.761e-02  3.270e-02  -0.539
## asr_scr_hyperactive_t:demo_fam_exp            -7.081e-02  1.368e-01  -0.518
## asr_scr_hyperactive_t:demo_yrs_1              -4.380e-03  5.099e-02  -0.086
## asr_scr_hyperactive_t:demo_yrs_2              -1.661e-03  7.301e-02  -0.023
## asr_scr_hyperactive_t:parent_rules_q1           1.020e-01  9.186e-02   1.110
## asr_scr_hyperactive_t:parent_rules_q4         -7.404e-02  9.805e-02  -0.755
## asr_scr_hyperactive_t:parent_rules_q7         -2.732e-02  8.808e-02  -0.310
```

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## asr_scr_hyperactive_t:su_risk_p_1              1.919e-02   4.163e-02    0.461
## asr_scr_hyperactive_t:su_risk_p_2_3           -1.016e-01   6.560e-02   -1.549
## asr_scr_hyperactive_t:su_risk_p_4_5            1.019e-01   7.332e-02    1.390
## asr_scr_hyperactive_t:neighborhood1_2_3_p     -3.547e-02   5.495e-02   -0.645
## asr_scr_hyperactive_t:neighborhood_crime_y    -4.057e-02   4.806e-02   -0.844
## asr_scr_hyperactive_t:sexM                     1.099e-01   9.771e-02    1.125
## crpbi_bothcare:parent_monitor_y                3.879e-02   1.810e-02    2.143
## crpbi_bothcare:kbi_p_conflict                 -4.164e-03   2.205e-02   -0.189
## crpbi_bothcare:kbi_p_c_best_friend            -4.512e-03   1.200e-02   -0.376
## crpbi_bothcare:kbi_p_c_reg_friend_group        2.038e-02   1.991e-02    1.024
## crpbi_bothcare:kbi_p_c_bully                   9.131e-02   2.433e-02    3.753
## crpbi_bothcare:kbi_p_c_mh_sa                   1.959e-02   2.256e-02    0.868
## crpbi_bothcare:fes_youth                       2.541e-03   4.534e-03    0.561
## crpbi_bothcare:fes_p_ss_fc_pr                  2.519e-03   4.811e-03    0.524
## crpbi_bothcare:macv_p_ss_fs                   -3.618e-02   2.119e-02   -1.707
## crpbi_bothcare:macv_p_ss_fo                    1.353e-02   1.874e-02    0.722
## crpbi_bothcare:macv_p_ss_isr                  -8.704e-03   1.578e-02   -0.552
## crpbi_bothcare:macv_p_ss_fr                    5.880e-03   1.736e-02    0.339
## crpbi_bothcare:macv_p_ss_r                     6.413e-03   1.104e-02    0.581
## crpbi_bothcare:demo_prnt_age_v2               9.783e-04   1.409e-03    0.694
## crpbi_bothcare:demo_prnt_marital_v2          -1.636e-03   6.552e-03   -0.250
## crpbi_bothcare:demo_comb_income_v2            2.701e-03   5.331e-03    0.507
## crpbi_bothcare:demo_fam_exp                    1.484e-02   2.548e-02    0.583
## crpbi_bothcare:demo_yrs_1                     -6.840e-03   9.277e-03   -0.737
## crpbi_bothcare:demo_yrs_2                      8.116e-03   1.330e-02    0.610
## crpbi_bothcare:parent_rules_q1                5.020e-03   1.658e-02    0.303
## crpbi_bothcare:parent_rules_q4                1.444e-02   1.738e-02    0.831
## crpbi_bothcare:parent_rules_q7               -2.143e-02   1.631e-02   -1.314
## crpbi_bothcare:su_risk_p_1                     4.360e-03   7.749e-03    0.563
## crpbi_bothcare:su_risk_p_2_3                  -3.680e-02   1.263e-02   -2.914
## crpbi_bothcare:su_risk_p_4_5                   1.765e-02   1.372e-02    1.286
## crpbi_bothcare:neighborhood1_2_3_p            6.821e-03   1.035e-02    0.659
## crpbi_bothcare:neighborhood_crime_y          -6.650e-03   8.446e-03   -0.787
## crpbi_bothcare:sexM                            1.988e-02   1.681e-02    1.183
## parent_monitor_y:kbi_p_conflict              -7.018e-02   3.170e-01   -0.221
## parent_monitor_y:kbi_p_c_best_friend          2.809e-02   1.560e-01    0.180
## parent_monitor_y:kbi_p_c_reg_friend_group     4.564e-01   2.542e-01    1.795
## parent_monitor_y:kbi_p_c_bully               -2.026e-01   3.311e-01   -0.612
## parent_monitor_y:kbi_p_c_mh_sa               -3.997e-01   3.167e-01   -1.262
## parent_monitor_y:fes_youth                    1.469e-02   5.820e-02    0.252
## parent_monitor_y:fes_p_ss_fc_pr               2.799e-02   6.598e-02    0.424
## parent_monitor_y:macv_p_ss_fs                 4.086e-02   3.000e-01    0.136
## parent_monitor_y:macv_p_ss_fo                 1.000e-01   2.726e-01    0.367
## parent_monitor_y:macv_p_ss_isr                1.528e-01   2.227e-01    0.686
## parent_monitor_y:macv_p_ss_fr                 8.931e-03   2.425e-01    0.037
## parent_monitor_y:macv_p_ss_r                  1.087e-02   1.585e-01    0.069
## parent_monitor_y:demo_prnt_age_v2            -2.469e-02   1.956e-02   -1.262
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## parent_monitor_y:demo_prnt_marital_v2          1.022e-01   8.418e-02    1.214
## parent_monitor_y:demo_comb_income_v2          -2.572e-02   6.961e-02   -0.369
## parent_monitor_y:demo_fam_exp                  2.821e-01   3.217e-01    0.877
## parent_monitor_y:demo_yrs_1                    -3.384e-02   1.256e-01   -0.270
## parent_monitor_y:demo_yrs_2                    -1.362e-01   1.830e-01   -0.744
## parent_monitor_y:parent_rules_q1              -8.165e-03   2.485e-01   -0.033
## parent_monitor_y:parent_rules_q4               6.992e-01   2.815e-01    2.484
## parent_monitor_y:parent_rules_q7              -6.938e-01   2.432e-01   -2.853
## parent_monitor_y:su_risk_p_1                   6.486e-02   1.114e-01    0.582
## parent_monitor_y:su_risk_p_2_3                -6.441e-02   1.770e-01   -0.364
## parent_monitor_y:su_risk_p_4_5                 8.224e-02   1.948e-01    0.422
## parent_monitor_y:neighborhood1_2_3_p          3.721e-02   1.389e-01    0.268
## parent_monitor_y:neighborhood_crime_y         1.705e-01   1.047e-01    1.629
## parent_monitor_y:sexM                         -7.724e-02   2.421e-01   -0.319
## kbi_p_conflict:kbi_p_c_best_friend             6.742e-02   1.996e-01    0.338
## kbi_p_conflict:kbi_p_c_reg_friend_group       -1.502e-01   3.460e-01   -0.434
## kbi_p_conflict:kbi_p_c_bully                  -8.498e-01   4.256e-01   -1.997
## kbi_p_conflict:kbi_p_c_mh_sa                   7.647e-01   3.971e-01    1.926
## kbi_p_conflict:fes_youth                       3.961e-02   7.541e-02    0.525
## kbi_p_conflict:fes_p_ss_fc_pr                  9.113e-02   8.239e-02    1.106
## kbi_p_conflict:macv_p_ss_fs                    2.502e-01   3.477e-01    0.720
## kbi_p_conflict:macv_p_ss_fo                   -3.693e-01   3.330e-01   -1.109
## kbi_p_conflict:macv_p_ss_isr                   1.342e-01   2.742e-01    0.489
## kbi_p_conflict:macv_p_ss_fr                    2.736e-01   2.920e-01    0.937
## kbi_p_conflict:macv_p_ss_r                    -2.362e-01   1.869e-01   -1.264
## kbi_p_conflict:demo_prnt_age_v2                1.376e-02   2.482e-02    0.554
## kbi_p_conflict:demo_prnt_marital_v2            4.139e-02   1.215e-01    0.341
## kbi_p_conflict:demo_comb_income_v2            -7.007e-02   1.045e-01   -0.670
## kbi_p_conflict:demo_fam_exp                    5.673e-02   4.589e-01    0.124
## kbi_p_conflict:demo_yrs_1                      -1.573e-02   1.672e-01   -0.094
## kbi_p_conflict:demo_yrs_2                       4.201e-01   2.293e-01    1.832
## kbi_p_conflict:parent_rules_q1                -1.135e-02   2.611e-01   -0.043
## kbi_p_conflict:parent_rules_q4                 4.184e-01   2.899e-01    1.444
## kbi_p_conflict:parent_rules_q7                -1.994e-02   2.781e-01   -0.072
## kbi_p_conflict:su_risk_p_1                      4.559e-02   1.300e-01    0.351
## kbi_p_conflict:su_risk_p_2_3                  -1.510e-01   2.128e-01   -0.710
## kbi_p_conflict:su_risk_p_4_5                    2.604e-01   2.314e-01    1.126
## kbi_p_conflict:neighborhood1_2_3_p             1.178e-01   1.768e-01    0.667
## kbi_p_conflict:neighborhood_crime_y            1.075e-01   1.442e-01    0.746
## kbi_p_conflict:sexM                            1.238e-01   2.878e-01    0.430
## kbi_p_c_best_friend:kbi_p_c_reg_friend_group   2.715e-01   1.183e-01    2.294
## kbi_p_c_best_friend:kbi_p_c_bully              1.478e-01   2.161e-01    0.684
## kbi_p_c_best_friend:kbi_p_c_mh_sa              2.002e-01   2.045e-01    0.979
## kbi_p_c_best_friend:fes_youth                  7.990e-03   4.085e-02    0.196
## kbi_p_c_best_friend:fes_p_ss_fc_pr            -1.779e-02   4.617e-02   -0.385
## kbi_p_c_best_friend:macv_p_ss_fs               3.685e-02   2.000e-01    0.184
## kbi_p_c_best_friend:macv_p_ss_fo              -4.258e-01   1.794e-01   -2.373
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## kbi_p_c_best_friend:macv_p_ss_isr             2.137e-01   1.394e-01    1.532
## kbi_p_c_best_friend:macv_p_ss_fr              1.590e-02   1.644e-01    0.097
## kbi_p_c_best_friend:macv_p_ss_r               2.152e-02   1.019e-01    0.211
## kbi_p_c_best_friend:demo_prnt_age_v2          1.824e-03   1.333e-02    0.137
## kbi_p_c_best_friend:demo_prnt_marital_v2      3.539e-02   5.794e-02    0.611
## kbi_p_c_best_friend:demo_comb_income_v2      -5.226e-02   4.541e-02   -1.151
## kbi_p_c_best_friend:demo_fam_exp              2.997e-01   2.267e-01    1.322
## kbi_p_c_best_friend:demo_yrs_1                1.643e-02   8.466e-02    0.194
## kbi_p_c_best_friend:demo_yrs_2               -1.765e-01   1.215e-01   -1.453
## kbi_p_c_best_friend:parent_rules_q1          -1.438e-01   1.444e-01   -0.995
## kbi_p_c_best_friend:parent_rules_q4          -3.655e-01   1.684e-01   -2.170
## kbi_p_c_best_friend:parent_rules_q7           3.271e-01   1.521e-01    2.150
## kbi_p_c_best_friend:su_risk_p_1              -1.113e-02   7.050e-02   -0.158
## kbi_p_c_best_friend:su_risk_p_2_3            -2.210e-02   1.358e-01   -0.163
## kbi_p_c_best_friend:su_risk_p_4_5            -5.932e-02   1.376e-01   -0.431
## kbi_p_c_best_friend:neighborhood1_2_3_p       1.249e-01   8.938e-02    1.397
## kbi_p_c_best_friend:neighborhood_crime_y      9.787e-02   7.465e-02    1.311
## kbi_p_c_best_friend:sexM                      2.058e-01   1.606e-01    1.281
## kbi_p_c_reg_friend_group:kbi_p_c_bully       -1.122e-01   3.569e-01   -0.314
## kbi_p_c_reg_friend_group:kbi_p_c_mh_sa       -1.265e+00   3.644e-01   -3.472
## kbi_p_c_reg_friend_group:fes_youth           -7.199e-02   6.628e-02   -1.086
## kbi_p_c_reg_friend_group:fes_p_ss_fc_pr       1.034e-01   7.750e-02    1.334
## kbi_p_c_reg_friend_group:macv_p_ss_fs         2.380e-01   3.070e-01    0.775
## kbi_p_c_reg_friend_group:macv_p_ss_fo        -3.257e-01   2.774e-01   -1.174
## kbi_p_c_reg_friend_group:macv_p_ss_isr       -2.115e-01   2.444e-01   -0.865
## kbi_p_c_reg_friend_group:macv_p_ss_fr         1.326e-01   2.635e-01    0.503
## kbi_p_c_reg_friend_group:macv_p_ss_r          1.355e-01   1.747e-01    0.776
## kbi_p_c_reg_friend_group:demo_prnt_age_v2    -1.098e-02   1.869e-02   -0.587
## kbi_p_c_reg_friend_group:demo_prnt_marital_v2 7.649e-02   7.910e-02    0.967
## kbi_p_c_reg_friend_group:demo_comb_income_v2 -7.660e-03   6.481e-02   -0.118
## kbi_p_c_reg_friend_group:demo_fam_exp        -5.701e-01   3.373e-01   -1.690
## kbi_p_c_reg_friend_group:demo_yrs_1           5.807e-03   1.295e-01    0.045
## kbi_p_c_reg_friend_group:demo_yrs_2          -1.800e-01   1.874e-01   -0.960
## kbi_p_c_reg_friend_group:parent_rules_q1      1.745e-01   2.981e-01    0.585
## kbi_p_c_reg_friend_group:parent_rules_q4     -1.171e-01   2.911e-01   -0.402
## kbi_p_c_reg_friend_group:parent_rules_q7     -6.679e-02   2.771e-01   -0.241
## kbi_p_c_reg_friend_group:su_risk_p_1          2.394e-02   1.349e-01    0.177
## kbi_p_c_reg_friend_group:su_risk_p_2_3        8.545e-02   1.950e-01    0.438
## kbi_p_c_reg_friend_group:su_risk_p_4_5       -1.490e-01   1.991e-01   -0.748
## kbi_p_c_reg_friend_group:neighborhood1_2_3_p -2.074e-01   1.351e-01   -1.535
## kbi_p_c_reg_friend_group:neighborhood_crime_y -1.318e-01   1.199e-01   -1.099
## kbi_p_c_reg_friend_group:sexM                -3.251e-02   2.694e-01   -0.121
## kbi_p_c_bully:kbi_p_c_mh_sa                  -3.590e-01   3.703e-01   -0.970
## kbi_p_c_bully:fes_youth                       1.285e-01   8.197e-02    1.568
## kbi_p_c_bully:fes_p_ss_fc_pr                  3.474e-02   9.385e-02    0.370
## kbi_p_c_bully:macv_p_ss_fs                   -4.332e-01   3.845e-01   -1.127
## kbi_p_c_bully:macv_p_ss_fo                    4.709e-01   3.553e-01    1.325
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## kbi_p_c_bully:macv_p_ss_isr           -5.530e-01   2.923e-01   -1.892
## kbi_p_c_bully:macv_p_ss_fr            -3.902e-01   3.245e-01   -1.203
## kbi_p_c_bully:macv_p_ss_r              1.198e-01   2.024e-01    0.592
## kbi_p_c_bully:demo_prnt_age_v2        -2.388e-02   2.400e-02   -0.995
## kbi_p_c_bully:demo_prnt_marital_v2     8.417e-02   1.122e-01    0.750
## kbi_p_c_bully:demo_comb_income_v2      7.608e-03   8.854e-02    0.086
## kbi_p_c_bully:demo_fam_exp            -9.475e-01   4.216e-01   -2.247
## kbi_p_c_bully:demo_yrs_1              -1.619e-01   1.646e-01   -0.983
## kbi_p_c_bully:demo_yrs_2               2.084e-01   2.420e-01    0.861
## kbi_p_c_bully:parent_rules_q1         -3.000e-01   3.110e-01   -0.965
## kbi_p_c_bully:parent_rules_q4          9.422e-01   3.527e-01    2.672
## kbi_p_c_bully:parent_rules_q7         -4.043e-01   2.955e-01   -1.368
## kbi_p_c_bully:su_risk_p_1              2.127e-01   1.480e-01    1.437
## kbi_p_c_bully:su_risk_p_2_3            1.170e-01   2.259e-01    0.518
## kbi_p_c_bully:su_risk_p_4_5           -6.124e-01   2.516e-01   -2.434
## kbi_p_c_bully:neighborhood1_2_3_p      2.056e-02   1.746e-01    0.118
## kbi_p_c_bully:neighborhood_crime_y     4.163e-01   1.451e-01    2.869
## kbi_p_c_bully:sexM                     6.295e-02   3.183e-01    0.198
## kbi_p_c_mh_sa:fes_youth                8.535e-03   8.272e-02    0.103
## kbi_p_c_mh_sa:fes_p_ss_fc_pr           2.054e-02   8.905e-02    0.231
## kbi_p_c_mh_sa:macv_p_ss_fs             3.706e-01   3.686e-01    1.005
## kbi_p_c_mh_sa:macv_p_ss_fo            -4.053e-01   3.455e-01   -1.173
## kbi_p_c_mh_sa:macv_p_ss_isr            2.541e-01   2.915e-01    0.872
## kbi_p_c_mh_sa:macv_p_ss_fr             2.842e-01   2.987e-01    0.951
## kbi_p_c_mh_sa:macv_p_ss_r             -3.493e-01   1.941e-01   -1.799
## kbi_p_c_mh_sa:demo_prnt_age_v2        -6.032e-03   2.276e-02   -0.265
## kbi_p_c_mh_sa:demo_prnt_marital_v2     2.923e-01   1.169e-01    2.501
## kbi_p_c_mh_sa:demo_comb_income_v2     -6.667e-02   9.455e-02   -0.705
## kbi_p_c_mh_sa:demo_fam_exp            -1.860e-01   4.626e-01   -0.402
## kbi_p_c_mh_sa:demo_yrs_1              -3.720e-01   1.644e-01   -2.262
## kbi_p_c_mh_sa:demo_yrs_2               6.844e-01   2.347e-01    2.916
## kbi_p_c_mh_sa:parent_rules_q1         -3.510e-01   2.994e-01   -1.172
## kbi_p_c_mh_sa:parent_rules_q4         -6.392e-02   3.359e-01   -0.190
## kbi_p_c_mh_sa:parent_rules_q7          1.404e-01   3.033e-01    0.463
## kbi_p_c_mh_sa:su_risk_p_1              1.900e-02   1.340e-01    0.142
## kbi_p_c_mh_sa:su_risk_p_2_3            4.822e-01   2.223e-01    2.169
## kbi_p_c_mh_sa:su_risk_p_4_5           -2.153e-01   2.259e-01   -0.953
## kbi_p_c_mh_sa:neighborhood1_2_3_p     -2.619e-01   1.871e-01   -1.400
## kbi_p_c_mh_sa:neighborhood_crime_y     1.131e-01   1.479e-01    0.765
## kbi_p_c_mh_sa:sexM                     1.020e+00   3.090e-01    3.301
## fes_youth:fes_p_ss_fc_pr              -6.775e-03   1.616e-02   -0.419
## fes_youth:macv_p_ss_fs                 1.668e-03   7.312e-02    0.023
## fes_youth:macv_p_ss_fo                 7.790e-02   6.609e-02    1.179
## fes_youth:macv_p_ss_isr                4.989e-02   5.458e-02    0.914
## fes_youth:macv_p_ss_fr                -1.100e-02   5.928e-02   -0.186
## fes_youth:macv_p_ss_r                 -5.332e-02   3.711e-02   -1.437
## fes_youth:demo_prnt_age_v2            -4.289e-03   5.015e-03   -0.855
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## fes_youth:demo_prnt_marital_v2                       -1.653e-02  2.271e-02  -0.728
## fes_youth:demo_comb_income_v2                        -1.305e-02  1.806e-02  -0.723
## fes_youth:demo_fam_exp                                2.005e-02  8.142e-02   0.246
## fes_youth:demo_yrs_1                                  4.815e-02  3.110e-02   1.548
## fes_youth:demo_yrs_2                                 -7.026e-02  4.636e-02  -1.515
## fes_youth:parent_rules_q1                             1.419e-01  5.783e-02   2.453
## fes_youth:parent_rules_q4                            -5.516e-02  6.421e-02  -0.859
## fes_youth:parent_rules_q7                            -5.663e-02  6.068e-02  -0.933
## fes_youth:su_risk_p_1                                 2.283e-02  2.748e-02   0.831
## fes_youth:su_risk_p_2_3                               2.687e-02  4.530e-02   0.593
## fes_youth:su_risk_p_4_5                               1.577e-02  5.110e-02   0.309
## fes_youth:neighborhood1_2_3_p                        -2.203e-02  3.452e-02  -0.638
## fes_youth:neighborhood_crime_y                       -1.288e-02  2.667e-02  -0.483
## fes_youth:sexM                                       -4.310e-02  5.818e-02  -0.741
## fes_p_ss_fc_pr:macv_p_ss_fs                          -1.047e-01  7.978e-02  -1.313
## fes_p_ss_fc_pr:macv_p_ss_fo                           8.054e-02  7.217e-02   1.116
## fes_p_ss_fc_pr:macv_p_ss_isr                         -1.205e-02  5.890e-02  -0.205
## fes_p_ss_fc_pr:macv_p_ss_fr                           7.106e-03  6.456e-02   0.110
## fes_p_ss_fc_pr:macv_p_ss_r                           -1.986e-02  4.243e-02  -0.468
## fes_p_ss_fc_pr:demo_prnt_age_v2                       8.256e-03  5.344e-03   1.545
## fes_p_ss_fc_pr:demo_prnt_marital_v2                   8.454e-03  2.446e-02   0.346
## fes_p_ss_fc_pr:demo_comb_income_v2                    1.152e-02  1.992e-02   0.578
## fes_p_ss_fc_pr:demo_fam_exp                          -1.113e-01  9.153e-02  -1.216
## fes_p_ss_fc_pr:demo_yrs_1                             4.019e-02  3.417e-02   1.176
## fes_p_ss_fc_pr:demo_yrs_2                            -2.205e-02  5.001e-02  -0.441
## fes_p_ss_fc_pr:parent_rules_q1                       -2.252e-02  6.446e-02  -0.349
## fes_p_ss_fc_pr:parent_rules_q4                       -1.191e-01  6.941e-02  -1.716
## fes_p_ss_fc_pr:parent_rules_q7                        4.273e-02  6.476e-02   0.660
## fes_p_ss_fc_pr:su_risk_p_1                           -1.947e-02  2.976e-02  -0.654
## fes_p_ss_fc_pr:su_risk_p_2_3                          8.597e-02  4.666e-02   1.842
## fes_p_ss_fc_pr:su_risk_p_4_5                         -7.449e-03  5.047e-02  -0.148
## fes_p_ss_fc_pr:neighborhood1_2_3_p                   -9.789e-03  3.835e-02  -0.255
## fes_p_ss_fc_pr:neighborhood_crime_y                   1.150e-02  3.022e-02   0.380
## fes_p_ss_fc_pr:sexM                                   1.069e-01  6.363e-02   1.679
## macv_p_ss_fs:macv_p_ss_fo                            -2.699e-01  2.464e-01  -1.096
## macv_p_ss_fs:macv_p_ss_isr                           -2.385e-02  2.291e-01  -0.104
## macv_p_ss_fs:macv_p_ss_fr                             3.179e-01  2.161e-01   1.472
## macv_p_ss_fs:macv_p_ss_r                              2.959e-01  1.714e-01   1.726
## macv_p_ss_fs:demo_prnt_age_v2                        -3.672e-03  2.331e-02  -0.158
## macv_p_ss_fs:demo_prnt_marital_v2                    -1.113e-01  1.009e-01  -1.102
## macv_p_ss_fs:demo_comb_income_v2                     -8.428e-02  9.022e-02  -0.934
## macv_p_ss_fs:demo_fam_exp                            -1.884e-01  3.932e-01  -0.479
## macv_p_ss_fs:demo_yrs_1                              -1.457e-01  1.442e-01  -1.011
## macv_p_ss_fs:demo_yrs_2                              -2.558e-01  2.089e-01  -1.225
## macv_p_ss_fs:parent_rules_q1                         -5.135e-02  2.729e-01  -0.188
## macv_p_ss_fs:parent_rules_q4                         -2.339e-01  2.812e-01  -0.832
## macv_p_ss_fs:parent_rules_q7                          1.721e-01  2.804e-01   0.614
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## macv_p_ss_fs:su_risk_p_1                  5.285e-02  1.242e-01   0.425
## macv_p_ss_fs:su_risk_p_2_3                2.859e-01  1.878e-01   1.523
## macv_p_ss_fs:su_risk_p_4_5               -1.990e-01  2.092e-01  -0.951
## macv_p_ss_fs:neighborhood1_2_3_p         -1.103e-01  1.606e-01  -0.687
## macv_p_ss_fs:neighborhood_crime_y        -1.190e-01  1.296e-01  -0.918
## macv_p_ss_fs:sexM                         1.759e-01  2.725e-01   0.646
## macv_p_ss_fo:macv_p_ss_isr                3.986e-02  2.249e-01   0.177
## macv_p_ss_fo:macv_p_ss_fr                -1.662e-01  1.826e-01  -0.910
## macv_p_ss_fo:macv_p_ss_r                 -1.286e-01  1.627e-01  -0.790
## macv_p_ss_fo:demo_prnt_age_v2            -4.734e-02  2.162e-02  -2.190
## macv_p_ss_fo:demo_prnt_marital_v2         6.079e-02  1.025e-01   0.593
## macv_p_ss_fo:demo_comb_income_v2          4.461e-02  8.209e-02   0.543
## macv_p_ss_fo:demo_fam_exp                 8.068e-02  3.786e-01   0.213
## macv_p_ss_fo:demo_yrs_1                  -9.535e-02  1.326e-01  -0.719
## macv_p_ss_fo:demo_yrs_2                   2.986e-01  1.945e-01   1.535
## macv_p_ss_fo:parent_rules_q1             -9.324e-02  2.486e-01  -0.375
## macv_p_ss_fo:parent_rules_q4             -1.083e-01  2.616e-01  -0.414
## macv_p_ss_fo:parent_rules_q7              1.764e-01  2.377e-01   0.742
## macv_p_ss_fo:su_risk_p_1                  5.014e-02  1.128e-01   0.445
## macv_p_ss_fo:su_risk_p_2_3                1.633e-01  1.957e-01   0.834
## macv_p_ss_fo:su_risk_p_4_5               -2.130e-01  2.094e-01  -1.017
## macv_p_ss_fo:neighborhood1_2_3_p          3.235e-02  1.464e-01   0.221
## macv_p_ss_fo:neighborhood_crime_y         3.465e-02  1.234e-01   0.281
## macv_p_ss_fo:sexM                        -1.605e-01  2.490e-01  -0.645
## macv_p_ss_isr:macv_p_ss_fr                1.440e-01  1.971e-01   0.731
## macv_p_ss_isr:macv_p_ss_r                 7.141e-02  1.298e-01   0.550
## macv_p_ss_isr:demo_prnt_age_v2            1.030e-02  1.789e-02   0.576
## macv_p_ss_isr:demo_prnt_marital_v2       -2.461e-02  7.276e-02  -0.338
## macv_p_ss_isr:demo_comb_income_v2         5.865e-02  6.122e-02   0.958
## macv_p_ss_isr:demo_fam_exp               -2.903e-01  2.956e-01  -0.982
## macv_p_ss_isr:demo_yrs_1                  4.555e-02  1.073e-01   0.424
## macv_p_ss_isr:demo_yrs_2                 -1.643e-01  1.530e-01  -1.074
## macv_p_ss_isr:parent_rules_q1             4.054e-01  2.021e-01   2.006
## macv_p_ss_isr:parent_rules_q4             1.279e-02  2.213e-01   0.058
## macv_p_ss_isr:parent_rules_q7            -1.607e-01  2.038e-01  -0.789
## macv_p_ss_isr:su_risk_p_1                -1.541e-01  9.513e-02  -1.620
## macv_p_ss_isr:su_risk_p_2_3              -1.356e-01  1.508e-01  -0.899
## macv_p_ss_isr:su_risk_p_4_5               4.482e-01  1.771e-01   2.531
## macv_p_ss_isr:neighborhood1_2_3_p         2.128e-01  1.178e-01   1.807
## macv_p_ss_isr:neighborhood_crime_y       -2.021e-01  1.001e-01  -2.020
## macv_p_ss_isr:sexM                       -2.646e-01  2.027e-01  -1.305
## macv_p_ss_fr:macv_p_ss_r                 -4.080e-02  1.359e-01  -0.300
## macv_p_ss_fr:demo_prnt_age_v2            -7.345e-03  1.955e-02  -0.376
## macv_p_ss_fr:demo_prnt_marital_v2         7.582e-02  8.848e-02   0.857
## macv_p_ss_fr:demo_comb_income_v2          3.518e-02  7.437e-02   0.473
## macv_p_ss_fr:demo_fam_exp                 2.210e-01  3.491e-01   0.633
## macv_p_ss_fr:demo_yrs_1                   1.033e-01  1.215e-01   0.851
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## macv_p_ss_fr:demo_yrs_2                        -1.301e-02  1.739e-01  -0.075
## macv_p_ss_fr:parent_rules_q1                   -1.150e-01  2.227e-01  -0.517
## macv_p_ss_fr:parent_rules_q4                    3.088e-01  2.219e-01   1.392
## macv_p_ss_fr:parent_rules_q7                   -6.575e-02  2.222e-01  -0.296
## macv_p_ss_fr:su_risk_p_1                        3.558e-02  1.028e-01   0.346
## macv_p_ss_fr:su_risk_p_2_3                     -1.359e-01  1.653e-01  -0.822
## macv_p_ss_fr:su_risk_p_4_5                     -8.667e-02  1.849e-01  -0.469
## macv_p_ss_fr:neighborhood1_2_3_p              -1.623e-01  1.357e-01  -1.196
## macv_p_ss_fr:neighborhood_crime_y              1.530e-01  1.143e-01   1.338
## macv_p_ss_fr:sexM                              2.005e-01  2.272e-01   0.883
## macv_p_ss_r:demo_prnt_age_v2                   7.547e-03  1.273e-02   0.593
## macv_p_ss_r:demo_prnt_marital_v2               6.509e-02  5.421e-02   1.201
## macv_p_ss_r:demo_comb_income_v2                1.507e-02  4.793e-02   0.315
## macv_p_ss_r:demo_fam_exp                      -1.676e-01  2.269e-01  -0.739
## macv_p_ss_r:demo_yrs_1                         -1.098e-01  6.616e-02  -1.659
## macv_p_ss_r:demo_yrs_2                          6.291e-02  7.571e-02   0.831
## macv_p_ss_r:parent_rules_q1                     1.504e-03  1.359e-01   0.011
## macv_p_ss_r:parent_rules_q4                    -1.403e-01  1.461e-01  -0.960
## macv_p_ss_r:parent_rules_q7                     5.398e-02  1.346e-01   0.401
## macv_p_ss_r:su_risk_p_1                         4.917e-02  6.565e-02   0.749
## macv_p_ss_r:su_risk_p_2_3                      -9.988e-02  1.002e-01  -0.997
## macv_p_ss_r:su_risk_p_4_5                      -8.752e-02  1.140e-01  -0.768
## macv_p_ss_r:neighborhood1_2_3_p                6.488e-02  8.490e-02   0.764
## macv_p_ss_r:neighborhood_crime_y              -4.689e-02  7.058e-02  -0.664
## macv_p_ss_r:sexM                               4.870e-02  1.468e-01   0.332
## demo_prnt_age_v2:demo_prnt_marital_v2         -7.473e-03  6.061e-03  -1.233
## demo_prnt_age_v2:demo_comb_income_v2          -1.557e-02  5.126e-03  -3.037
## demo_prnt_age_v2:demo_fam_exp                 -2.782e-02  2.519e-02  -1.104
## demo_prnt_age_v2:demo_yrs_1                    6.619e-03  9.482e-03   0.698
## demo_prnt_age_v2:demo_yrs_2                   -2.385e-02  1.466e-02  -1.627
## demo_prnt_age_v2:parent_rules_q1              -2.550e-02  2.040e-02  -1.250
## demo_prnt_age_v2:parent_rules_q4              8.625e-03  2.100e-02   0.411
## demo_prnt_age_v2:parent_rules_q7              1.600e-02  1.863e-02   0.859
## demo_prnt_age_v2:su_risk_p_1                  -2.586e-03  9.239e-03  -0.280
## demo_prnt_age_v2:su_risk_p_2_3                1.489e-02  1.291e-02   1.153
## demo_prnt_age_v2:su_risk_p_4_5               -2.663e-02  1.646e-02  -1.618
## demo_prnt_age_v2:neighborhood1_2_3_p         -5.205e-03  1.078e-02  -0.483
## demo_prnt_age_v2:neighborhood_crime_y         6.590e-03  8.489e-03   0.776
## demo_prnt_age_v2:sexM                        -2.589e-02  1.853e-02  -1.397
## demo_prnt_marital_v2:demo_comb_income_v2     -4.947e-03  2.085e-02  -0.237
## demo_prnt_marital_v2:demo_fam_exp            -7.024e-02  9.902e-02  -0.709
## demo_prnt_marital_v2:demo_yrs_1              -1.957e-02  4.205e-02  -0.466
## demo_prnt_marital_v2:demo_yrs_2              -5.097e-02  6.061e-02  -0.841
## demo_prnt_marital_v2:parent_rules_q1         -1.832e-01  9.295e-02  -1.971
## demo_prnt_marital_v2:parent_rules_q4          2.334e-01  9.373e-02   2.490
## demo_prnt_marital_v2:parent_rules_q7         -7.648e-03  8.146e-02  -0.094
## demo_prnt_marital_v2:su_risk_p_1              3.344e-02  4.482e-02   0.746
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## demo_prnt_marital_v2:su_risk_p_2_3              1.356e-01   5.676e-02    2.390
## demo_prnt_marital_v2:su_risk_p_4_5             -1.037e-01   6.144e-02   -1.688
## demo_prnt_marital_v2:neighborhood1_2_3_p        8.282e-02   4.596e-02    1.802
## demo_prnt_marital_v2:neighborhood_crime_y      -2.571e-02   3.829e-02   -0.671
## demo_prnt_marital_v2:sexM                        8.861e-02   8.271e-02    1.071
## demo_comb_income_v2:demo_fam_exp               -8.492e-02   8.053e-02   -1.055
## demo_comb_income_v2:demo_yrs_1                 -6.498e-02   3.522e-02   -1.845
## demo_comb_income_v2:demo_yrs_2                 -1.464e-03   4.998e-02   -0.029
## demo_comb_income_v2:parent_rules_q1             1.146e-01   8.481e-02    1.351
## demo_comb_income_v2:parent_rules_q4             4.891e-02   9.053e-02    0.540
## demo_comb_income_v2:parent_rules_q7            -5.965e-02   7.729e-02   -0.772
## demo_comb_income_v2:su_risk_p_1                 1.415e-02   3.935e-02    0.360
## demo_comb_income_v2:su_risk_p_2_3              9.202e-02   5.366e-02    1.715
## demo_comb_income_v2:su_risk_p_4_5             -1.663e-01   5.914e-02   -2.812
## demo_comb_income_v2:neighborhood1_2_3_p        1.185e-01   3.679e-02    3.220
## demo_comb_income_v2:neighborhood_crime_y       2.269e-02   3.020e-02    0.751
## demo_comb_income_v2:sexM                        6.783e-03   6.912e-02    0.098
## demo_fam_exp:demo_yrs_1                        -2.318e-01   1.625e-01   -1.427
## demo_fam_exp:demo_yrs_2                         3.130e-01   2.378e-01    1.316
## demo_fam_exp:parent_rules_q1                   9.879e-01   3.742e-01    2.640
## demo_fam_exp:parent_rules_q4                  -3.707e-01   4.007e-01   -0.925
## demo_fam_exp:parent_rules_q7                  -3.894e-01   3.263e-01   -1.193
## demo_fam_exp:su_risk_p_1                       -1.548e-01   1.822e-01   -0.849
## demo_fam_exp:su_risk_p_2_3                      1.757e-02   2.468e-01    0.071
## demo_fam_exp:su_risk_p_4_5                      8.645e-02   2.901e-01    0.298
## demo_fam_exp:neighborhood1_2_3_p              -5.754e-02   1.750e-01   -0.329
## demo_fam_exp:neighborhood_crime_y              3.101e-02   1.409e-01    0.220
## demo_fam_exp:sexM                             -2.766e-01   3.295e-01   -0.839
## demo_yrs_1:demo_yrs_2                          -4.257e-02   7.196e-02   -0.592
## demo_yrs_1:parent_rules_q1                     -1.401e-01   1.220e-01   -1.148
## demo_yrs_1:parent_rules_q4                      1.216e-01   1.285e-01    0.947
## demo_yrs_1:parent_rules_q7                      2.497e-02   1.185e-01    0.211
## demo_yrs_1:su_risk_p_1                         -2.904e-02   5.895e-02   -0.493
## demo_yrs_1:su_risk_p_2_3                        2.947e-01   9.274e-02    3.177
## demo_yrs_1:su_risk_p_4_5                       -1.565e-01   1.014e-01   -1.543
## demo_yrs_1:neighborhood1_2_3_p                -1.607e-03   6.795e-02   -0.024
## demo_yrs_1:neighborhood_crime_y                2.384e-02   5.652e-02    0.422
## demo_yrs_1:sexM                                -1.740e-01   1.215e-01   -1.432
## demo_yrs_2:parent_rules_q1                      1.631e-01   1.805e-01    0.903
## demo_yrs_2:parent_rules_q4                     -1.506e-02   1.821e-01   -0.083
## demo_yrs_2:parent_rules_q7                     -8.859e-02   1.739e-01   -0.509
## demo_yrs_2:su_risk_p_1                         -1.737e-01   8.340e-02   -2.082
## demo_yrs_2:su_risk_p_2_3                       -1.442e-01   1.186e-01   -1.215
## demo_yrs_2:su_risk_p_4_5                        3.866e-01   1.359e-01    2.845
## demo_yrs_2:neighborhood1_2_3_p                  6.412e-02   9.459e-02    0.678
## demo_yrs_2:neighborhood_crime_y                4.179e-02   7.974e-02    0.524
## demo_yrs_2:sexM                                -8.726e-02   1.726e-01   -0.506
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## parent_rules_q1:parent_rules_q4              -1.589e-01  1.471e-01  -1.080
## parent_rules_q1:parent_rules_q7               2.525e-02  1.268e-01   0.199
## parent_rules_q1:su_risk_p_1                   -4.863e-02  9.589e-02  -0.507
## parent_rules_q1:su_risk_p_2_3                 -1.185e-01  1.432e-01  -0.828
## parent_rules_q1:su_risk_p_4_5                  1.791e-01  1.663e-01   1.077
## parent_rules_q1:neighborhood1_2_3_p          -7.147e-02  1.420e-01  -0.503
## parent_rules_q1:neighborhood_crime_y          1.425e-01  1.180e-01   1.207
## parent_rules_q1:sexM                           3.665e-01  2.144e-01   1.710
## parent_rules_q4:parent_rules_q7              -9.738e-02  1.492e-01  -0.653
## parent_rules_q4:su_risk_p_1                   -8.651e-03  1.021e-01  -0.085
## parent_rules_q4:su_risk_p_2_3                  5.500e-02  1.493e-01   0.368
## parent_rules_q4:su_risk_p_4_5                 -8.785e-02  1.580e-01  -0.556
## parent_rules_q4:neighborhood1_2_3_p           4.206e-02  1.465e-01   0.287
## parent_rules_q4:neighborhood_crime_y         -1.201e-01  1.195e-01  -1.005
## parent_rules_q4:sexM                           2.257e-01  2.364e-01   0.955
## parent_rules_q7:su_risk_p_1                   -5.744e-02  9.709e-02  -0.592
## parent_rules_q7:su_risk_p_2_3                  1.598e-01  1.360e-01   1.175
## parent_rules_q7:su_risk_p_4_5                 -2.156e-01  1.496e-01  -1.441
## parent_rules_q7:neighborhood1_2_3_p           3.775e-02  1.427e-01   0.265
## parent_rules_q7:neighborhood_crime_y         -2.985e-02  1.102e-01  -0.271
## parent_rules_q7:sexM                          -3.915e-01  2.226e-01  -1.759
## su_risk_p_1:su_risk_p_2_3                     -4.799e-02  6.713e-02  -0.715
## su_risk_p_1:su_risk_p_4_5                      1.192e-01  7.673e-02   1.554
## su_risk_p_1:neighborhood1_2_3_p              -4.621e-02  6.507e-02  -0.710
## su_risk_p_1:neighborhood_crime_y             -5.116e-02  5.421e-02  -0.944
## su_risk_p_1:sexM                              -1.803e-01  1.018e-01  -1.772
## su_risk_p_2_3:su_risk_p_4_5                   -2.352e-01  5.241e-02  -4.487
## su_risk_p_2_3:neighborhood1_2_3_p             6.110e-03  1.086e-01   0.056
## su_risk_p_2_3:neighborhood_crime_y           -2.836e-02  7.854e-02  -0.361
## su_risk_p_2_3:sexM                             2.647e-01  1.657e-01   1.598
## su_risk_p_4_5:neighborhood1_2_3_p             1.351e-02  1.187e-01   0.114
## su_risk_p_4_5:neighborhood_crime_y            1.126e-01  9.167e-02   1.229
## su_risk_p_4_5:sexM                            -2.377e-01  1.837e-01  -1.294
## neighborhood1_2_3_p:neighborhood_crime_y      1.755e-02  5.565e-02   0.315
## neighborhood1_2_3_p:sexM                      -9.424e-02  1.311e-01  -0.719
## neighborhood_crime_y:sexM                      9.510e-03  1.079e-01   0.088
##                                              Pr(>|z|)
## (Intercept)                                  0.149611
## asr_scr_perstr_t                             0.421252
## asr_scr_anxdep_t                             0.360079
## asr_scr_withdrawn_t                          0.215993
## asr_scr_somatic_t                            0.457980
## asr_scr_thought_t                            0.168596
## asr_scr_attention_t                          0.113953
## asr_scr_aggressive_t                         0.494521
## asr_scr_rulebreak_t                          0.779127
## asr_scr_intrusive_t                          0.083411 .
```

```
## asr_scr_internal_t                          0.002417 **
## asr_scr_external_t                          0.073114 .
## asr_scr_totprob_t                           0.000460 ***
## asr_scr_depress_t                           0.043325 *
## asr_scr_anxdisord_t                         0.824107
## asr_scr_somaticpr_t                         0.726976
## asr_scr_avoidant_t                          0.579748
## asr_scr_adhd_t                              0.998994
## asr_scr_antisocial_t                        0.975993
## asr_scr_inattention_t                       0.589560
## asr_scr_hyperactive_t                       0.253038
## crpbi_bothcare                              0.602188
## parent_monitor_y                            0.306703
## kbi_p_conflict                              0.276547
## kbi_p_c_best_friend                         0.985983
## kbi_p_c_reg_friend_group                    0.051936 .
## kbi_p_c_bully                               0.837991
## kbi_p_c_mh_sa                               0.155100
## fes_youth                                   0.971004
## fes_p_ss_fc_pr                              0.000418 ***
## macv_p_ss_fs                                0.570903
## macv_p_ss_fo                                0.295709
## macv_p_ss_isr                               0.082893 .
## macv_p_ss_fr                                0.521940
## macv_p_ss_r                                 0.635573
## demo_prnt_age_v2                            0.106951
## demo_prnt_marital_v2                        0.335816
## demo_comb_income_v2                         0.831719
## demo_fam_exp                                0.580612
## demo_yrs_1                                  0.956435
## demo_yrs_2                                  0.669592
## parent_rules_q1                             0.964149
## parent_rules_q4                             0.407302
## parent_rules_q7                             0.571314
## su_risk_p_1                                 0.333796
## su_risk_p_2_3                               0.597080
## su_risk_p_4_5                               0.459497
## neighborhood1_2_3_p                         0.151161
## neighborhood_crime_y                        0.276886
## sexM                                        0.595285
## asr_scr_perstr_t:asr_scr_anxdep_t           0.131077
## asr_scr_perstr_t:asr_scr_withdrawn_t        0.633831
## asr_scr_perstr_t:asr_scr_somatic_t          0.253591
## asr_scr_perstr_t:asr_scr_thought_t          0.299612
## asr_scr_perstr_t:asr_scr_attention_t        0.754563
## asr_scr_perstr_t:asr_scr_aggressive_t       0.592281
## asr_scr_perstr_t:asr_scr_rulebreak_t        0.783908
```

```
## asr_scr_perstr_t:asr_scr_intrusive_t              0.422710
## asr_scr_perstr_t:asr_scr_internal_t               0.585575
## asr_scr_perstr_t:asr_scr_external_t               0.722973
## asr_scr_perstr_t:asr_scr_totprob_t                0.438197
## asr_scr_perstr_t:asr_scr_depress_t                0.015257  *
## asr_scr_perstr_t:asr_scr_anxdisord_t              0.185594
## asr_scr_perstr_t:asr_scr_somaticpr_t              0.334408
## asr_scr_perstr_t:asr_scr_avoidant_t               0.221497
## asr_scr_perstr_t:asr_scr_adhd_t                   0.193259
## asr_scr_perstr_t:asr_scr_antisocial_t             0.207585
## asr_scr_perstr_t:asr_scr_inattention_t            0.494200
## asr_scr_perstr_t:asr_scr_hyperactive_t            0.134490
## asr_scr_perstr_t:crpbi_bothcare                   0.863320
## asr_scr_perstr_t:parent_monitor_y                 0.907130
## asr_scr_perstr_t:kbi_p_conflict                   0.034569  *
## asr_scr_perstr_t:kbi_p_c_best_friend              0.280116
## asr_scr_perstr_t:kbi_p_c_reg_friend_group         0.003849  **
## asr_scr_perstr_t:kbi_p_c_bully                    0.993336
## asr_scr_perstr_t:kbi_p_c_mh_sa                    0.559253
## asr_scr_perstr_t:fes_youth                        0.536965
## asr_scr_perstr_t:fes_p_ss_fc_pr                   0.142036
## asr_scr_perstr_t:macv_p_ss_fs                     0.823838
## asr_scr_perstr_t:macv_p_ss_fo                     0.518952
## asr_scr_perstr_t:macv_p_ss_isr                    0.099467  .
## asr_scr_perstr_t:macv_p_ss_fr                     0.568034
## asr_scr_perstr_t:macv_p_ss_r                      0.444195
## asr_scr_perstr_t:demo_prnt_age_v2                 0.744563
## asr_scr_perstr_t:demo_prnt_marital_v2             0.941581
## asr_scr_perstr_t:demo_comb_income_v2              0.134745
## asr_scr_perstr_t:demo_fam_exp                     0.083067  .
## asr_scr_perstr_t:demo_yrs_1                       0.713000
## asr_scr_perstr_t:demo_yrs_2                       0.250189
## asr_scr_perstr_t:parent_rules_q1                  0.909534
## asr_scr_perstr_t:parent_rules_q4                  0.188170
## asr_scr_perstr_t:parent_rules_q7                  0.032111  *
## asr_scr_perstr_t:su_risk_p_1                      0.120290
## asr_scr_perstr_t:su_risk_p_2_3                    0.259450
## asr_scr_perstr_t:su_risk_p_4_5                    0.113165
## asr_scr_perstr_t:neighborhood1_2_3_p             0.024263  *
## asr_scr_perstr_t:neighborhood_crime_y            0.228772
## asr_scr_perstr_t:sexM                             0.786217
## asr_scr_anxdep_t:asr_scr_withdrawn_t              0.879257
## asr_scr_anxdep_t:asr_scr_somatic_t                0.008114  **
## asr_scr_anxdep_t:asr_scr_thought_t                0.935250
## asr_scr_anxdep_t:asr_scr_attention_t              0.828747
## asr_scr_anxdep_t:asr_scr_aggressive_t             0.390879
## asr_scr_anxdep_t:asr_scr_rulebreak_t              0.759863
```

```
## asr_scr_anxdep_t:asr_scr_intrusive_t           0.190276
## asr_scr_anxdep_t:asr_scr_internal_t            0.850194
## asr_scr_anxdep_t:asr_scr_external_t            0.146148
## asr_scr_anxdep_t:asr_scr_totprob_t             0.432379
## asr_scr_anxdep_t:asr_scr_depress_t             0.005927 **
## asr_scr_anxdep_t:asr_scr_anxdisord_t           0.619204
## asr_scr_anxdep_t:asr_scr_somaticpr_t           0.052961 .
## asr_scr_anxdep_t:asr_scr_avoidant_t            0.447629
## asr_scr_anxdep_t:asr_scr_adhd_t                0.022921 *
## asr_scr_anxdep_t:asr_scr_antisocial_t          0.988299
## asr_scr_anxdep_t:asr_scr_inattention_t         0.093395 .
## asr_scr_anxdep_t:asr_scr_hyperactive_t         0.331636
## asr_scr_anxdep_t:crpbi_bothcare                0.039662 *
## asr_scr_anxdep_t:parent_monitor_y              0.346732
## asr_scr_anxdep_t:kbi_p_conflict                0.009970 **
## asr_scr_anxdep_t:kbi_p_c_best_friend           0.140818
## asr_scr_anxdep_t:kbi_p_c_reg_friend_group      0.400193
## asr_scr_anxdep_t:kbi_p_c_bully                 0.236267
## asr_scr_anxdep_t:kbi_p_c_mh_sa                 0.868996
## asr_scr_anxdep_t:fes_youth                     0.640586
## asr_scr_anxdep_t:fes_p_ss_fc_pr                0.526394
## asr_scr_anxdep_t:macv_p_ss_fs                  0.154330
## asr_scr_anxdep_t:macv_p_ss_fo                  0.374105
## asr_scr_anxdep_t:macv_p_ss_isr                 0.249368
## asr_scr_anxdep_t:macv_p_ss_fr                  0.175440
## asr_scr_anxdep_t:macv_p_ss_r                   0.113457
## asr_scr_anxdep_t:demo_prnt_age_v2              0.006907 **
## asr_scr_anxdep_t:demo_prnt_marital_v2          0.538899
## asr_scr_anxdep_t:demo_comb_income_v2           0.015993 *
## asr_scr_anxdep_t:demo_fam_exp                  0.540958
## asr_scr_anxdep_t:demo_yrs_1                    0.661038
## asr_scr_anxdep_t:demo_yrs_2                    0.002764 **
## asr_scr_anxdep_t:parent_rules_q1               0.531192
## asr_scr_anxdep_t:parent_rules_q4               0.116057
## asr_scr_anxdep_t:parent_rules_q7               0.368374
## asr_scr_anxdep_t:su_risk_p_1                   0.911045
## asr_scr_anxdep_t:su_risk_p_2_3                 0.475659
## asr_scr_anxdep_t:su_risk_p_4_5                 0.648708
## asr_scr_anxdep_t:neighborhood1_2_3_p           0.107791
## asr_scr_anxdep_t:neighborhood_crime_y          0.985402
## asr_scr_anxdep_t:sexM                          0.333692
## asr_scr_withdrawn_t:asr_scr_somatic_t          0.192189
## asr_scr_withdrawn_t:asr_scr_thought_t          0.012382 *
## asr_scr_withdrawn_t:asr_scr_attention_t        0.003485 **
## asr_scr_withdrawn_t:asr_scr_aggressive_t       0.223353
## asr_scr_withdrawn_t:asr_scr_rulebreak_t        0.952078
## asr_scr_withdrawn_t:asr_scr_intrusive_t        0.025454 *
```

```
## asr_scr_withdrawn_t:asr_scr_internal_t           0.218244
## asr_scr_withdrawn_t:asr_scr_external_t           0.023992 *
## asr_scr_withdrawn_t:asr_scr_totprob_t            0.015635 *
## asr_scr_withdrawn_t:asr_scr_depress_t            0.624467
## asr_scr_withdrawn_t:asr_scr_anxdisord_t          0.279161
## asr_scr_withdrawn_t:asr_scr_somaticpr_t          0.277675
## asr_scr_withdrawn_t:asr_scr_avoidant_t           0.867977
## asr_scr_withdrawn_t:asr_scr_adhd_t               0.000492 ***
## asr_scr_withdrawn_t:asr_scr_antisocial_t         0.100295
## asr_scr_withdrawn_t:asr_scr_inattention_t        0.023401 *
## asr_scr_withdrawn_t:asr_scr_hyperactive_t        0.022473 *
## asr_scr_withdrawn_t:crpbi_bothcare               0.021462 *
## asr_scr_withdrawn_t:parent_monitor_y             0.253715
## asr_scr_withdrawn_t:kbi_p_conflict               0.691681
## asr_scr_withdrawn_t:kbi_p_c_best_friend          0.195706
## asr_scr_withdrawn_t:kbi_p_c_reg_friend_group     0.895094
## asr_scr_withdrawn_t:kbi_p_c_bully                0.658510
## asr_scr_withdrawn_t:kbi_p_c_mh_sa                0.915985
## asr_scr_withdrawn_t:fes_youth                    0.991024
## asr_scr_withdrawn_t:fes_p_ss_fc_pr               0.676751
## asr_scr_withdrawn_t:macv_p_ss_fs                 0.000905 ***
## asr_scr_withdrawn_t:macv_p_ss_fo                 0.004831 **
## asr_scr_withdrawn_t:macv_p_ss_isr                0.312498
## asr_scr_withdrawn_t:macv_p_ss_fr                 0.104292
## asr_scr_withdrawn_t:macv_p_ss_r                  0.464230
## asr_scr_withdrawn_t:demo_prnt_age_v2             0.614699
## asr_scr_withdrawn_t:demo_prnt_marital_v2         0.717246
## asr_scr_withdrawn_t:demo_comb_income_v2          0.152250
## asr_scr_withdrawn_t:demo_fam_exp                 0.633302
## asr_scr_withdrawn_t:demo_yrs_1                   0.996486
## asr_scr_withdrawn_t:demo_yrs_2                   0.338714
## asr_scr_withdrawn_t:parent_rules_q1              0.992441
## asr_scr_withdrawn_t:parent_rules_q4              0.699991
## asr_scr_withdrawn_t:parent_rules_q7              0.467228
## asr_scr_withdrawn_t:su_risk_p_1                  0.077784 .
## asr_scr_withdrawn_t:su_risk_p_2_3                0.232660
## asr_scr_withdrawn_t:su_risk_p_4_5                0.438530
## asr_scr_withdrawn_t:neighborhood1_2_3_p          0.623139
## asr_scr_withdrawn_t:neighborhood_crime_y         0.100211
## asr_scr_withdrawn_t:sexM                         0.093781 .
## asr_scr_somatic_t:asr_scr_thought_t              0.505078
## asr_scr_somatic_t:asr_scr_attention_t            0.385985
## asr_scr_somatic_t:asr_scr_aggressive_t           0.264662
## asr_scr_somatic_t:asr_scr_rulebreak_t            0.605073
## asr_scr_somatic_t:asr_scr_intrusive_t            0.220291
## asr_scr_somatic_t:asr_scr_internal_t             0.432871
## asr_scr_somatic_t:asr_scr_external_t             0.515801
```

```
## asr_scr_somatic_t:asr_scr_totprob_t              0.171462
## asr_scr_somatic_t:asr_scr_depress_t              0.003387 **
## asr_scr_somatic_t:asr_scr_anxdisord_t            0.194032
## asr_scr_somatic_t:asr_scr_somaticpr_t            0.733000
## asr_scr_somatic_t:asr_scr_avoidant_t             0.710428
## asr_scr_somatic_t:asr_scr_adhd_t                 0.820281
## asr_scr_somatic_t:asr_scr_antisocial_t           0.450755
## asr_scr_somatic_t:asr_scr_inattention_t          0.596017
## asr_scr_somatic_t:asr_scr_hyperactive_t          0.081592 .
## asr_scr_somatic_t:crpbi_bothcare                 0.596027
## asr_scr_somatic_t:parent_monitor_y               0.545967
## asr_scr_somatic_t:kbi_p_conflict                 0.020787 *
## asr_scr_somatic_t:kbi_p_c_best_friend            0.936830
## asr_scr_somatic_t:kbi_p_c_reg_friend_group       0.122339
## asr_scr_somatic_t:kbi_p_c_bully                  0.078813 .
## asr_scr_somatic_t:kbi_p_c_mh_sa                  0.118184
## asr_scr_somatic_t:fes_youth                      0.530030
## asr_scr_somatic_t:fes_p_ss_fc_pr                 0.760876
## asr_scr_somatic_t:macv_p_ss_fs                   0.792628
## asr_scr_somatic_t:macv_p_ss_fo                   0.189726
## asr_scr_somatic_t:macv_p_ss_isr                  0.238259
## asr_scr_somatic_t:macv_p_ss_fr                   0.145533
## asr_scr_somatic_t:macv_p_ss_r                    0.365710
## asr_scr_somatic_t:demo_prnt_age_v2               0.564303
## asr_scr_somatic_t:demo_prnt_marital_v2           0.900604
## asr_scr_somatic_t:demo_comb_income_v2            0.047505 *
## asr_scr_somatic_t:demo_fam_exp                   0.604192
## asr_scr_somatic_t:demo_yrs_1                     0.441847
## asr_scr_somatic_t:demo_yrs_2                     0.707704
## asr_scr_somatic_t:parent_rules_q1                0.559038
## asr_scr_somatic_t:parent_rules_q4                0.913957
## asr_scr_somatic_t:parent_rules_q7                0.743442
## asr_scr_somatic_t:su_risk_p_1                    0.926916
## asr_scr_somatic_t:su_risk_p_2_3                  0.919886
## asr_scr_somatic_t:su_risk_p_4_5                  0.917264
## asr_scr_somatic_t:neighborhood1_2_3_p            0.177498
## asr_scr_somatic_t:neighborhood_crime_y           0.232517
## asr_scr_somatic_t:sexM                           0.458942
## asr_scr_thought_t:asr_scr_attention_t            0.519750
## asr_scr_thought_t:asr_scr_aggressive_t           0.170295
## asr_scr_thought_t:asr_scr_rulebreak_t            0.858870
## asr_scr_thought_t:asr_scr_intrusive_t            0.700393
## asr_scr_thought_t:asr_scr_internal_t             0.422404
## asr_scr_thought_t:asr_scr_external_t             0.946869
## asr_scr_thought_t:asr_scr_totprob_t              0.357179
## asr_scr_thought_t:asr_scr_depress_t              0.558935
## asr_scr_thought_t:asr_scr_anxdisord_t            0.396185
```

```
## asr_scr_thought_t:asr_scr_somaticpr_t          0.406206
## asr_scr_thought_t:asr_scr_avoidant_t           0.057843 .
## asr_scr_thought_t:asr_scr_adhd_t               0.064555 .
## asr_scr_thought_t:asr_scr_antisocial_t         0.799935
## asr_scr_thought_t:asr_scr_inattention_t        0.040543 *
## asr_scr_thought_t:asr_scr_hyperactive_t        0.147243
## asr_scr_thought_t:crpbi_bothcare               0.466572
## asr_scr_thought_t:parent_monitor_y             0.375322
## asr_scr_thought_t:kbi_p_conflict               0.123606
## asr_scr_thought_t:kbi_p_c_best_friend          0.722351
## asr_scr_thought_t:kbi_p_c_reg_friend_group     0.048557 *
## asr_scr_thought_t:kbi_p_c_bully                0.077015 .
## asr_scr_thought_t:kbi_p_c_mh_sa                0.373790
## asr_scr_thought_t:fes_youth                    0.386815
## asr_scr_thought_t:fes_p_ss_fc_pr               0.394150
## asr_scr_thought_t:macv_p_ss_fs                 0.514294
## asr_scr_thought_t:macv_p_ss_fo                 0.001296 **
## asr_scr_thought_t:macv_p_ss_isr                0.039533 *
## asr_scr_thought_t:macv_p_ss_fr                 0.546816
## asr_scr_thought_t:macv_p_ss_r                  0.877833
## asr_scr_thought_t:demo_prnt_age_v2             0.894715
## asr_scr_thought_t:demo_prnt_marital_v2         0.970123
## asr_scr_thought_t:demo_comb_income_v2          0.336391
## asr_scr_thought_t:demo_fam_exp                 0.502333
## asr_scr_thought_t:demo_yrs_1                   0.716326
## asr_scr_thought_t:demo_yrs_2                   0.390616
## asr_scr_thought_t:parent_rules_q1              0.211105
## asr_scr_thought_t:parent_rules_q4              0.051917 .
## asr_scr_thought_t:parent_rules_q7              0.010686 *
## asr_scr_thought_t:su_risk_p_1                  0.437963
## asr_scr_thought_t:su_risk_p_2_3                0.842584
## asr_scr_thought_t:su_risk_p_4_5                0.152286
## asr_scr_thought_t:neighborhood1_2_3_p          0.821230
## asr_scr_thought_t:neighborhood_crime_y         0.669729
## asr_scr_thought_t:sexM                         0.999007
## asr_scr_attention_t:asr_scr_aggressive_t       0.587812
## asr_scr_attention_t:asr_scr_rulebreak_t        0.818125
## asr_scr_attention_t:asr_scr_intrusive_t        0.421700
## asr_scr_attention_t:asr_scr_internal_t         0.749241
## asr_scr_attention_t:asr_scr_external_t         0.831085
## asr_scr_attention_t:asr_scr_totprob_t          0.905650
## asr_scr_attention_t:asr_scr_depress_t          0.996140
## asr_scr_attention_t:asr_scr_anxdisord_t        0.363982
## asr_scr_attention_t:asr_scr_somaticpr_t        0.726696
## asr_scr_attention_t:asr_scr_avoidant_t         0.011289 *
## asr_scr_attention_t:asr_scr_adhd_t             0.929405
## asr_scr_attention_t:asr_scr_antisocial_t       0.646258
```

```
## asr_scr_attention_t:asr_scr_inattention_t        0.891177
## asr_scr_attention_t:asr_scr_hyperactive_t        0.941344
## asr_scr_attention_t:crpbi_bothcare               0.394521
## asr_scr_attention_t:parent_monitor_y             0.881628
## asr_scr_attention_t:kbi_p_conflict               0.440526
## asr_scr_attention_t:kbi_p_c_best_friend          0.959453
## asr_scr_attention_t:kbi_p_c_reg_friend_group     0.870708
## asr_scr_attention_t:kbi_p_c_bully                0.010268 *
## asr_scr_attention_t:kbi_p_c_mh_sa                0.003831 **
## asr_scr_attention_t:fes_youth                    0.592152
## asr_scr_attention_t:fes_p_ss_fc_pr               0.025875 *
## asr_scr_attention_t:macv_p_ss_fs                 0.003771 **
## asr_scr_attention_t:macv_p_ss_fo                 0.479922
## asr_scr_attention_t:macv_p_ss_isr                0.076108 .
## asr_scr_attention_t:macv_p_ss_fr                 0.469330
## asr_scr_attention_t:macv_p_ss_r                  0.398562
## asr_scr_attention_t:demo_prnt_age_v2             0.394622
## asr_scr_attention_t:demo_prnt_marital_v2         0.256014
## asr_scr_attention_t:demo_comb_income_v2          0.785773
## asr_scr_attention_t:demo_fam_exp                 0.159727
## asr_scr_attention_t:demo_yrs_1                   0.473684
## asr_scr_attention_t:demo_yrs_2                   0.832449
## asr_scr_attention_t:parent_rules_q1              0.932275
## asr_scr_attention_t:parent_rules_q4              0.178190
## asr_scr_attention_t:parent_rules_q7              0.203552
## asr_scr_attention_t:su_risk_p_1                  0.799361
## asr_scr_attention_t:su_risk_p_2_3                0.359996
## asr_scr_attention_t:su_risk_p_4_5                0.413619
## asr_scr_attention_t:neighborhood1_2_3_p          0.919633
## asr_scr_attention_t:neighborhood_crime_y         0.132176
## asr_scr_attention_t:sexM                         0.545923
## asr_scr_aggressive_t:asr_scr_rulebreak_t         0.509525
## asr_scr_aggressive_t:asr_scr_intrusive_t         0.370034
## asr_scr_aggressive_t:asr_scr_internal_t          0.015247 *
## asr_scr_aggressive_t:asr_scr_external_t          0.128502
## asr_scr_aggressive_t:asr_scr_totprob_t           0.026468 *
## asr_scr_aggressive_t:asr_scr_depress_t           0.993800
## asr_scr_aggressive_t:asr_scr_anxdisord_t         0.042325 *
## asr_scr_aggressive_t:asr_scr_somaticpr_t         0.496847
## asr_scr_aggressive_t:asr_scr_avoidant_t          0.175311
## asr_scr_aggressive_t:asr_scr_adhd_t              0.615980
## asr_scr_aggressive_t:asr_scr_antisocial_t        0.446696
## asr_scr_aggressive_t:asr_scr_inattention_t       0.973896
## asr_scr_aggressive_t:asr_scr_hyperactive_t       0.221027
## asr_scr_aggressive_t:crpbi_bothcare              0.825370
## asr_scr_aggressive_t:parent_monitor_y            0.179671
## asr_scr_aggressive_t:kbi_p_conflict              0.921087
```

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## asr_scr_aggressive_t:kbi_p_c_best_friend          0.516625
## asr_scr_aggressive_t:kbi_p_c_reg_friend_group     0.077899 .
## asr_scr_aggressive_t:kbi_p_c_bully                0.007651 **
## asr_scr_aggressive_t:kbi_p_c_mh_sa                0.024922 *
## asr_scr_aggressive_t:fes_youth                    0.575253
## asr_scr_aggressive_t:fes_p_ss_fc_pr               0.073406 .
## asr_scr_aggressive_t:macv_p_ss_fs                 0.621496
## asr_scr_aggressive_t:macv_p_ss_fo                 0.769948
## asr_scr_aggressive_t:macv_p_ss_isr                0.977870
## asr_scr_aggressive_t:macv_p_ss_fr                 0.066375 .
## asr_scr_aggressive_t:macv_p_ss_r                  0.989693
## asr_scr_aggressive_t:demo_prnt_age_v2             0.743097
## asr_scr_aggressive_t:demo_prnt_marital_v2         0.445444
## asr_scr_aggressive_t:demo_comb_income_v2          0.762105
## asr_scr_aggressive_t:demo_fam_exp                 0.909544
## asr_scr_aggressive_t:demo_yrs_1                   0.675908
## asr_scr_aggressive_t:demo_yrs_2                   0.138804
## asr_scr_aggressive_t:parent_rules_q1              0.204548
## asr_scr_aggressive_t:parent_rules_q4              0.785843
## asr_scr_aggressive_t:parent_rules_q7              0.369842
## asr_scr_aggressive_t:su_risk_p_1                  0.291755
## asr_scr_aggressive_t:su_risk_p_2_3                0.542184
## asr_scr_aggressive_t:su_risk_p_4_5                0.076986 .
## asr_scr_aggressive_t:neighborhood1_2_3_p          0.641249
## asr_scr_aggressive_t:neighborhood_crime_y         0.926344
## asr_scr_aggressive_t:sexM                         0.130360
## asr_scr_rulebreak_t:asr_scr_intrusive_t           0.054483 .
## asr_scr_rulebreak_t:asr_scr_internal_t            0.014478 *
## asr_scr_rulebreak_t:asr_scr_external_t            0.031955 *
## asr_scr_rulebreak_t:asr_scr_totprob_t             0.042760 *
## asr_scr_rulebreak_t:asr_scr_depress_t             0.491053
## asr_scr_rulebreak_t:asr_scr_anxdisord_t           0.925377
## asr_scr_rulebreak_t:asr_scr_somaticpr_t           0.238922
## asr_scr_rulebreak_t:asr_scr_avoidant_t            0.735211
## asr_scr_rulebreak_t:asr_scr_adhd_t                0.420571
## asr_scr_rulebreak_t:asr_scr_antisocial_t          0.893013
## asr_scr_rulebreak_t:asr_scr_inattention_t         0.317821
## asr_scr_rulebreak_t:asr_scr_hyperactive_t         0.817597
## asr_scr_rulebreak_t:crpbi_bothcare                0.483287
## asr_scr_rulebreak_t:parent_monitor_y              0.765004
## asr_scr_rulebreak_t:kbi_p_conflict                0.216291
## asr_scr_rulebreak_t:kbi_p_c_best_friend           0.288657
## asr_scr_rulebreak_t:kbi_p_c_reg_friend_group      0.337376
## asr_scr_rulebreak_t:kbi_p_c_bully                 0.469610
## asr_scr_rulebreak_t:kbi_p_c_mh_sa                 0.096656 .
## asr_scr_rulebreak_t:fes_youth                     0.320726
## asr_scr_rulebreak_t:fes_p_ss_fc_pr                0.126077
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## asr_scr_rulebreak_t:macv_p_ss_fs              0.324353
## asr_scr_rulebreak_t:macv_p_ss_fo              0.540215
## asr_scr_rulebreak_t:macv_p_ss_isr             0.287272
## asr_scr_rulebreak_t:macv_p_ss_fr              0.061214 .
## asr_scr_rulebreak_t:macv_p_ss_r               0.013154 *
## asr_scr_rulebreak_t:demo_prnt_age_v2          0.758999
## asr_scr_rulebreak_t:demo_prnt_marital_v2      0.139663
## asr_scr_rulebreak_t:demo_comb_income_v2       0.101702
## asr_scr_rulebreak_t:demo_fam_exp              0.850338
## asr_scr_rulebreak_t:demo_yrs_1                0.387710
## asr_scr_rulebreak_t:demo_yrs_2                0.072677 .
## asr_scr_rulebreak_t:parent_rules_q1           0.034924 *
## asr_scr_rulebreak_t:parent_rules_q4           0.328816
## asr_scr_rulebreak_t:parent_rules_q7           0.575970
## asr_scr_rulebreak_t:su_risk_p_1               0.631958
## asr_scr_rulebreak_t:su_risk_p_2_3             0.057562 .
## asr_scr_rulebreak_t:su_risk_p_4_5             0.037409 *
## asr_scr_rulebreak_t:neighborhood1_2_3_p       0.662168
## asr_scr_rulebreak_t:neighborhood_crime_y      0.143284
## asr_scr_rulebreak_t:sexM                      0.330669
## asr_scr_intrusive_t:asr_scr_internal_t        0.869162
## asr_scr_intrusive_t:asr_scr_external_t        0.183562
## asr_scr_intrusive_t:asr_scr_totprob_t         0.188120
## asr_scr_intrusive_t:asr_scr_depress_t         0.493373
## asr_scr_intrusive_t:asr_scr_anxdisord_t       0.181607
## asr_scr_intrusive_t:asr_scr_somaticpr_t       0.886176
## asr_scr_intrusive_t:asr_scr_avoidant_t        0.471110
## asr_scr_intrusive_t:asr_scr_adhd_t            0.930204
## asr_scr_intrusive_t:asr_scr_antisocial_t      0.142350
## asr_scr_intrusive_t:asr_scr_inattention_t     0.810701
## asr_scr_intrusive_t:asr_scr_hyperactive_t     0.485548
## asr_scr_intrusive_t:crpbi_bothcare            0.645772
## asr_scr_intrusive_t:parent_monitor_y          0.195215
## asr_scr_intrusive_t:kbi_p_conflict            0.554193
## asr_scr_intrusive_t:kbi_p_c_best_friend       0.697241
## asr_scr_intrusive_t:kbi_p_c_reg_friend_group  0.363980
## asr_scr_intrusive_t:kbi_p_c_bully             0.920937
## asr_scr_intrusive_t:kbi_p_c_mh_sa             0.169484
## asr_scr_intrusive_t:fes_youth                 0.806549
## asr_scr_intrusive_t:fes_p_ss_fc_pr            0.985377
## asr_scr_intrusive_t:macv_p_ss_fs              0.757849
## asr_scr_intrusive_t:macv_p_ss_fo              0.232890
## asr_scr_intrusive_t:macv_p_ss_isr             0.375496
## asr_scr_intrusive_t:macv_p_ss_fr              0.930491
## asr_scr_intrusive_t:macv_p_ss_r               0.763239
## asr_scr_intrusive_t:demo_prnt_age_v2          0.705134
## asr_scr_intrusive_t:demo_prnt_marital_v2      0.182815
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## asr_scr_intrusive_t:demo_comb_income_v2      0.951849
## asr_scr_intrusive_t:demo_fam_exp             0.051062 .
## asr_scr_intrusive_t:demo_yrs_1               0.440809
## asr_scr_intrusive_t:demo_yrs_2               0.242143
## asr_scr_intrusive_t:parent_rules_q1          0.217650
## asr_scr_intrusive_t:parent_rules_q4          0.924095
## asr_scr_intrusive_t:parent_rules_q7          0.246393
## asr_scr_intrusive_t:su_risk_p_1              0.093053 .
## asr_scr_intrusive_t:su_risk_p_2_3            0.888387
## asr_scr_intrusive_t:su_risk_p_4_5            0.417264
## asr_scr_intrusive_t:neighborhood1_2_3_p      0.272338
## asr_scr_intrusive_t:neighborhood_crime_y     0.038135 *
## asr_scr_intrusive_t:sexM                     0.486645
## asr_scr_internal_t:asr_scr_external_t        0.350614
## asr_scr_internal_t:asr_scr_totprob_t         0.572294
## asr_scr_internal_t:asr_scr_depress_t         0.081237 .
## asr_scr_internal_t:asr_scr_anxdisord_t       0.304618
## asr_scr_internal_t:asr_scr_somaticpr_t       0.561376
## asr_scr_internal_t:asr_scr_avoidant_t        0.142038
## asr_scr_internal_t:asr_scr_adhd_t            0.556936
## asr_scr_internal_t:asr_scr_antisocial_t      0.747545
## asr_scr_internal_t:asr_scr_inattention_t     0.436359
## asr_scr_internal_t:asr_scr_hyperactive_t     0.397393
## asr_scr_internal_t:crpbi_bothcare            0.596464
## asr_scr_internal_t:parent_monitor_y          0.723494
## asr_scr_internal_t:kbi_p_conflict            0.352953
## asr_scr_internal_t:kbi_p_c_best_friend       0.574769
## asr_scr_internal_t:kbi_p_c_reg_friend_group  0.247705
## asr_scr_internal_t:kbi_p_c_bully             0.173197
## asr_scr_internal_t:kbi_p_c_mh_sa             0.158200
## asr_scr_internal_t:fes_youth                 0.236758
## asr_scr_internal_t:fes_p_ss_fc_pr            0.007771 **
## asr_scr_internal_t:macv_p_ss_fs              0.113170
## asr_scr_internal_t:macv_p_ss_fo              0.464478
## asr_scr_internal_t:macv_p_ss_isr             0.939236
## asr_scr_internal_t:macv_p_ss_fr              0.859207
## asr_scr_internal_t:macv_p_ss_r               0.842084
## asr_scr_internal_t:demo_prnt_age_v2          0.387759
## asr_scr_internal_t:demo_prnt_marital_v2      0.112973
## asr_scr_internal_t:demo_comb_income_v2       0.254009
## asr_scr_internal_t:demo_fam_exp              0.419388
## asr_scr_internal_t:demo_yrs_1                0.854245
## asr_scr_internal_t:demo_yrs_2                0.134351
## asr_scr_internal_t:parent_rules_q1           0.504253
## asr_scr_internal_t:parent_rules_q4           0.914549
## asr_scr_internal_t:parent_rules_q7           0.047278 *
## asr_scr_internal_t:su_risk_p_1               0.781244
```

```
## asr_scr_internal_t:su_risk_p_2_3             0.966983
## asr_scr_internal_t:su_risk_p_4_5             0.846248
## asr_scr_internal_t:neighborhood1_2_3_p       0.698061
## asr_scr_internal_t:neighborhood_crime_y      0.427521
## asr_scr_internal_t:sexM                       0.100712
## asr_scr_external_t:asr_scr_totprob_t          0.018838 *
## asr_scr_external_t:asr_scr_depress_t          0.826363
## asr_scr_external_t:asr_scr_anxdisord_t        0.161937
## asr_scr_external_t:asr_scr_somaticpr_t        0.276235
## asr_scr_external_t:asr_scr_avoidant_t         0.028844 *
## asr_scr_external_t:asr_scr_adhd_t             0.430181
## asr_scr_external_t:asr_scr_antisocial_t       0.287845
## asr_scr_external_t:asr_scr_inattention_t      0.588406
## asr_scr_external_t:asr_scr_hyperactive_t      0.333135
## asr_scr_external_t:crpbi_bothcare             0.580586
## asr_scr_external_t:parent_monitor_y           0.746824
## asr_scr_external_t:kbi_p_conflict             0.684278
## asr_scr_external_t:kbi_p_c_best_friend        0.905113
## asr_scr_external_t:kbi_p_c_reg_friend_group   0.072889 .
## asr_scr_external_t:kbi_p_c_bully              0.921265
## asr_scr_external_t:kbi_p_c_mh_sa              0.067631 .
## asr_scr_external_t:fes_youth                  0.809898
## asr_scr_external_t:fes_p_ss_fc_pr             0.613357
## asr_scr_external_t:macv_p_ss_fs               0.037758 *
## asr_scr_external_t:macv_p_ss_fo               0.028975 *
## asr_scr_external_t:macv_p_ss_isr              0.198364
## asr_scr_external_t:macv_p_ss_fr               0.115193
## asr_scr_external_t:macv_p_ss_r                0.537455
## asr_scr_external_t:demo_prnt_age_v2           0.102419
## asr_scr_external_t:demo_prnt_marital_v2       0.990478
## asr_scr_external_t:demo_comb_income_v2        0.777019
## asr_scr_external_t:demo_fam_exp               0.488221
## asr_scr_external_t:demo_yrs_1                 0.368841
## asr_scr_external_t:demo_yrs_2                 0.963537
## asr_scr_external_t:parent_rules_q1            0.405857
## asr_scr_external_t:parent_rules_q4            0.536900
## asr_scr_external_t:parent_rules_q7            0.167894
## asr_scr_external_t:su_risk_p_1                0.521571
## asr_scr_external_t:su_risk_p_2_3              0.247970
## asr_scr_external_t:su_risk_p_4_5              0.072984 .
## asr_scr_external_t:neighborhood1_2_3_p        0.289748
## asr_scr_external_t:neighborhood_crime_y       0.778208
## asr_scr_external_t:sexM                       0.059571 .
## asr_scr_totprob_t:asr_scr_depress_t           0.677095
## asr_scr_totprob_t:asr_scr_anxdisord_t         0.217373
## asr_scr_totprob_t:asr_scr_somaticpr_t         0.170794
## asr_scr_totprob_t:asr_scr_avoidant_t          0.057257 .
```

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## asr_scr_totprob_t:asr_scr_adhd_t                   0.367001
## asr_scr_totprob_t:asr_scr_antisocial_t             0.922511
## asr_scr_totprob_t:asr_scr_inattention_t            0.473794
## asr_scr_totprob_t:asr_scr_hyperactive_t            0.921288
## asr_scr_totprob_t:crpbi_bothcare                   0.773973
## asr_scr_totprob_t:parent_monitor_y                 0.418778
## asr_scr_totprob_t:kbi_p_conflict                   0.517881
## asr_scr_totprob_t:kbi_p_c_best_friend              0.942516
## asr_scr_totprob_t:kbi_p_c_reg_friend_group         0.352129
## asr_scr_totprob_t:kbi_p_c_bully                    0.368392
## asr_scr_totprob_t:kbi_p_c_mh_sa                    0.141168
## asr_scr_totprob_t:fes_youth                        0.449581
## asr_scr_totprob_t:fes_p_ss_fc_pr                   0.772720
## asr_scr_totprob_t:macv_p_ss_fs                     0.036227 *
## asr_scr_totprob_t:macv_p_ss_fo                     0.106812
## asr_scr_totprob_t:macv_p_ss_isr                    0.692134
## asr_scr_totprob_t:macv_p_ss_fr                     0.541309
## asr_scr_totprob_t:macv_p_ss_r                      0.520184
## asr_scr_totprob_t:demo_prnt_age_v2                 0.302024
## asr_scr_totprob_t:demo_prnt_marital_v2             0.962083
## asr_scr_totprob_t:demo_comb_income_v2              0.606341
## asr_scr_totprob_t:demo_fam_exp                     0.874613
## asr_scr_totprob_t:demo_yrs_1                       0.733904
## asr_scr_totprob_t:demo_yrs_2                       0.493364
## asr_scr_totprob_t:parent_rules_q1                  0.910774
## asr_scr_totprob_t:parent_rules_q4                  0.330237
## asr_scr_totprob_t:parent_rules_q7                  0.033340 *
## asr_scr_totprob_t:su_risk_p_1                      0.745271
## asr_scr_totprob_t:su_risk_p_2_3                    0.677921
## asr_scr_totprob_t:su_risk_p_4_5                    0.467124
## asr_scr_totprob_t:neighborhood1_2_3_p              0.058587 .
## asr_scr_totprob_t:neighborhood_crime_y             0.452939
## asr_scr_totprob_t:sexM                             0.025356 *
## asr_scr_depress_t:asr_scr_anxdisord_t              0.569950
## asr_scr_depress_t:asr_scr_somaticpr_t              0.014928 *
## asr_scr_depress_t:asr_scr_avoidant_t               0.769316
## asr_scr_depress_t:asr_scr_adhd_t                   0.218457
## asr_scr_depress_t:asr_scr_antisocial_t             0.906147
## asr_scr_depress_t:asr_scr_inattention_t            0.132625
## asr_scr_depress_t:asr_scr_hyperactive_t            0.290402
## asr_scr_depress_t:crpbi_bothcare                   0.536345
## asr_scr_depress_t:parent_monitor_y                 0.570730
## asr_scr_depress_t:kbi_p_conflict                   0.482469
## asr_scr_depress_t:kbi_p_c_best_friend              0.397145
## asr_scr_depress_t:kbi_p_c_reg_friend_group         0.224837
## asr_scr_depress_t:kbi_p_c_bully                    0.728176
## asr_scr_depress_t:kbi_p_c_mh_sa                    0.353629
```

```
## asr_scr_depress_t:fes_youth                    0.458653
## asr_scr_depress_t:fes_p_ss_fc_pr              0.438032
## asr_scr_depress_t:macv_p_ss_fs                0.003328 **
## asr_scr_depress_t:macv_p_ss_fo                0.576053
## asr_scr_depress_t:macv_p_ss_isr               0.398634
## asr_scr_depress_t:macv_p_ss_fr                0.038184 *
## asr_scr_depress_t:macv_p_ss_r                 0.276199
## asr_scr_depress_t:demo_prnt_age_v2            0.050358 .
## asr_scr_depress_t:demo_prnt_marital_v2        0.551455
## asr_scr_depress_t:demo_comb_income_v2         0.910414
## asr_scr_depress_t:demo_fam_exp                0.304769
## asr_scr_depress_t:demo_yrs_1                  0.886738
## asr_scr_depress_t:demo_yrs_2                  0.949691
## asr_scr_depress_t:parent_rules_q1             0.319828
## asr_scr_depress_t:parent_rules_q4             0.586632
## asr_scr_depress_t:parent_rules_q7             0.599983
## asr_scr_depress_t:su_risk_p_1                 0.588536
## asr_scr_depress_t:su_risk_p_2_3               0.339140
## asr_scr_depress_t:su_risk_p_4_5               0.888480
## asr_scr_depress_t:neighborhood1_2_3_p         0.068439 .
## asr_scr_depress_t:neighborhood_crime_y        0.376267
## asr_scr_depress_t:sexM                        0.998027
## asr_scr_anxdisord_t:asr_scr_somaticpr_t       0.170668
## asr_scr_anxdisord_t:asr_scr_avoidant_t        0.028171 *
## asr_scr_anxdisord_t:asr_scr_adhd_t            0.160794
## asr_scr_anxdisord_t:asr_scr_antisocial_t      0.075748 .
## asr_scr_anxdisord_t:asr_scr_inattention_t     0.680980
## asr_scr_anxdisord_t:asr_scr_hyperactive_t     0.200802
## asr_scr_anxdisord_t:crpbi_bothcare            0.346332
## asr_scr_anxdisord_t:parent_monitor_y          0.010580 *
## asr_scr_anxdisord_t:kbi_p_conflict            0.041673 *
## asr_scr_anxdisord_t:kbi_p_c_best_friend       0.708970
## asr_scr_anxdisord_t:kbi_p_c_reg_friend_group  0.529668
## asr_scr_anxdisord_t:kbi_p_c_bully             0.486853
## asr_scr_anxdisord_t:kbi_p_c_mh_sa             0.972755
## asr_scr_anxdisord_t:fes_youth                 0.773694
## asr_scr_anxdisord_t:fes_p_ss_fc_pr            0.020612 *
## asr_scr_anxdisord_t:macv_p_ss_fs              0.146657
## asr_scr_anxdisord_t:macv_p_ss_fo              0.778063
## asr_scr_anxdisord_t:macv_p_ss_isr             0.916789
## asr_scr_anxdisord_t:macv_p_ss_fr              0.333596
## asr_scr_anxdisord_t:macv_p_ss_r               0.331493
## asr_scr_anxdisord_t:demo_prnt_age_v2          0.006927 **
## asr_scr_anxdisord_t:demo_prnt_marital_v2      0.386628
## asr_scr_anxdisord_t:demo_comb_income_v2       0.561018
## asr_scr_anxdisord_t:demo_fam_exp              0.228523
## asr_scr_anxdisord_t:demo_yrs_1                0.694533
```

```
## asr_scr_anxdisord_t:demo_yrs_2                    0.240013
## asr_scr_anxdisord_t:parent_rules_q1               0.964054
## asr_scr_anxdisord_t:parent_rules_q4               0.097713 .
## asr_scr_anxdisord_t:parent_rules_q7               0.100747
## asr_scr_anxdisord_t:su_risk_p_1                   0.975454
## asr_scr_anxdisord_t:su_risk_p_2_3                 0.423460
## asr_scr_anxdisord_t:su_risk_p_4_5                 0.083415 .
## asr_scr_anxdisord_t:neighborhood1_2_3_p           0.070188 .
## asr_scr_anxdisord_t:neighborhood_crime_y          0.208962
## asr_scr_anxdisord_t:sexM                          0.890336
## asr_scr_somaticpr_t:asr_scr_avoidant_t            0.988983
## asr_scr_somaticpr_t:asr_scr_adhd_t                0.587736
## asr_scr_somaticpr_t:asr_scr_antisocial_t          0.866701
## asr_scr_somaticpr_t:asr_scr_inattention_t         0.557046
## asr_scr_somaticpr_t:asr_scr_hyperactive_t         0.043871 *
## asr_scr_somaticpr_t:crpbi_bothcare                0.792189
## asr_scr_somaticpr_t:parent_monitor_y              0.833439
## asr_scr_somaticpr_t:kbi_p_conflict                0.032341 *
## asr_scr_somaticpr_t:kbi_p_c_best_friend           0.327525
## asr_scr_somaticpr_t:kbi_p_c_reg_friend_group      0.382424
## asr_scr_somaticpr_t:kbi_p_c_bully                 0.340695
## asr_scr_somaticpr_t:kbi_p_c_mh_sa                 0.358454
## asr_scr_somaticpr_t:fes_youth                     0.969646
## asr_scr_somaticpr_t:fes_p_ss_fc_pr                0.236378
## asr_scr_somaticpr_t:macv_p_ss_fs                  0.820139
## asr_scr_somaticpr_t:macv_p_ss_fo                  0.346390
## asr_scr_somaticpr_t:macv_p_ss_isr                 0.126745
## asr_scr_somaticpr_t:macv_p_ss_fr                  0.588589
## asr_scr_somaticpr_t:macv_p_ss_r                   0.169662
## asr_scr_somaticpr_t:demo_prnt_age_v2              0.498102
## asr_scr_somaticpr_t:demo_prnt_marital_v2          0.858854
## asr_scr_somaticpr_t:demo_comb_income_v2           0.083808 .
## asr_scr_somaticpr_t:demo_fam_exp                  0.464437
## asr_scr_somaticpr_t:demo_yrs_1                    0.684331
## asr_scr_somaticpr_t:demo_yrs_2                    0.147642
## asr_scr_somaticpr_t:parent_rules_q1               0.565056
## asr_scr_somaticpr_t:parent_rules_q4               0.811589
## asr_scr_somaticpr_t:parent_rules_q7               0.883246
## asr_scr_somaticpr_t:su_risk_p_1                   0.740383
## asr_scr_somaticpr_t:su_risk_p_2_3                 0.630657
## asr_scr_somaticpr_t:su_risk_p_4_5                 0.968704
## asr_scr_somaticpr_t:neighborhood1_2_3_p           0.720460
## asr_scr_somaticpr_t:neighborhood_crime_y          0.122106
## asr_scr_somaticpr_t:sexM                          0.086575 .
## asr_scr_avoidant_t:asr_scr_adhd_t                 0.001836 **
## asr_scr_avoidant_t:asr_scr_antisocial_t           0.517702
## asr_scr_avoidant_t:asr_scr_inattention_t          0.042919 *
```

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## asr_scr_avoidant_t:asr_scr_hyperactive_t       0.009318 **
## asr_scr_avoidant_t:crpbi_bothcare              0.072823 .
## asr_scr_avoidant_t:parent_monitor_y            0.186047
## asr_scr_avoidant_t:kbi_p_conflict              0.592874
## asr_scr_avoidant_t:kbi_p_c_best_friend         0.730605
## asr_scr_avoidant_t:kbi_p_c_reg_friend_group    0.326522
## asr_scr_avoidant_t:kbi_p_c_bully               0.696424
## asr_scr_avoidant_t:kbi_p_c_mh_sa               0.676438
## asr_scr_avoidant_t:fes_youth                   0.757576
## asr_scr_avoidant_t:fes_p_ss_fc_pr              0.006290 **
## asr_scr_avoidant_t:macv_p_ss_fs                0.004446 **
## asr_scr_avoidant_t:macv_p_ss_fo                0.041525 *
## asr_scr_avoidant_t:macv_p_ss_isr               0.616874
## asr_scr_avoidant_t:macv_p_ss_fr                0.006704 **
## asr_scr_avoidant_t:macv_p_ss_r                 0.550962
## asr_scr_avoidant_t:demo_prnt_age_v2            0.845746
## asr_scr_avoidant_t:demo_prnt_marital_v2        0.300811
## asr_scr_avoidant_t:demo_comb_income_v2         0.206872
## asr_scr_avoidant_t:demo_fam_exp                0.028706 *
## asr_scr_avoidant_t:demo_yrs_1                  0.124050
## asr_scr_avoidant_t:demo_yrs_2                  0.031087 *
## asr_scr_avoidant_t:parent_rules_q1             0.478590
## asr_scr_avoidant_t:parent_rules_q4             0.869038
## asr_scr_avoidant_t:parent_rules_q7             0.429564
## asr_scr_avoidant_t:su_risk_p_1                 0.625362
## asr_scr_avoidant_t:su_risk_p_2_3               0.852051
## asr_scr_avoidant_t:su_risk_p_4_5               0.563981
## asr_scr_avoidant_t:neighborhood1_2_3_p         0.662895
## asr_scr_avoidant_t:neighborhood_crime_y        0.972535
## asr_scr_avoidant_t:sexM                        0.173893
## asr_scr_adhd_t:asr_scr_antisocial_t            0.405958
## asr_scr_adhd_t:asr_scr_inattention_t           0.221155
## asr_scr_adhd_t:asr_scr_hyperactive_t           0.947461
## asr_scr_adhd_t:crpbi_bothcare                  0.582814
## asr_scr_adhd_t:parent_monitor_y                0.577428
## asr_scr_adhd_t:kbi_p_conflict                  0.818434
## asr_scr_adhd_t:kbi_p_c_best_friend             0.414979
## asr_scr_adhd_t:kbi_p_c_reg_friend_group        0.667209
## asr_scr_adhd_t:kbi_p_c_bully                   0.089337 .
## asr_scr_adhd_t:kbi_p_c_mh_sa                   0.003361 **
## asr_scr_adhd_t:fes_youth                       0.339060
## asr_scr_adhd_t:fes_p_ss_fc_pr                  0.156104
## asr_scr_adhd_t:macv_p_ss_fs                    0.853573
## asr_scr_adhd_t:macv_p_ss_fo                    0.284194
## asr_scr_adhd_t:macv_p_ss_isr                   0.061970 .
## asr_scr_adhd_t:macv_p_ss_fr                    0.777392
## asr_scr_adhd_t:macv_p_ss_r                     0.109943
```

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## asr_scr_adhd_t:demo_prnt_age_v2              0.116603
## asr_scr_adhd_t:demo_prnt_marital_v2          0.030468 *
## asr_scr_adhd_t:demo_comb_income_v2           0.973622
## asr_scr_adhd_t:demo_fam_exp                  0.989590
## asr_scr_adhd_t:demo_yrs_1                    0.770535
## asr_scr_adhd_t:demo_yrs_2                    0.099665 .
## asr_scr_adhd_t:parent_rules_q1               0.136519
## asr_scr_adhd_t:parent_rules_q4               0.366221
## asr_scr_adhd_t:parent_rules_q7               0.905892
## asr_scr_adhd_t:su_risk_p_1                   0.806890
## asr_scr_adhd_t:su_risk_p_2_3                 0.471708
## asr_scr_adhd_t:su_risk_p_4_5                 0.230565
## asr_scr_adhd_t:neighborhood1_2_3_p           0.685922
## asr_scr_adhd_t:neighborhood_crime_y          0.519347
## asr_scr_adhd_t:sexM                          0.925870
## asr_scr_antisocial_t:asr_scr_inattention_t   0.688954
## asr_scr_antisocial_t:asr_scr_hyperactive_t   0.729266
## asr_scr_antisocial_t:crpbi_bothcare          0.817351
## asr_scr_antisocial_t:parent_monitor_y        0.092204 .
## asr_scr_antisocial_t:kbi_p_conflict          0.350916
## asr_scr_antisocial_t:kbi_p_c_best_friend     0.561562
## asr_scr_antisocial_t:kbi_p_c_reg_friend_group 0.136751
## asr_scr_antisocial_t:kbi_p_c_bully           0.418024
## asr_scr_antisocial_t:kbi_p_c_mh_sa           0.231732
## asr_scr_antisocial_t:fes_youth               0.307681
## asr_scr_antisocial_t:fes_p_ss_fc_pr          0.869125
## asr_scr_antisocial_t:macv_p_ss_fs            0.852077
## asr_scr_antisocial_t:macv_p_ss_fo            0.907253
## asr_scr_antisocial_t:macv_p_ss_isr           0.856419
## asr_scr_antisocial_t:macv_p_ss_fr            0.097961 .
## asr_scr_antisocial_t:macv_p_ss_r             0.503849
## asr_scr_antisocial_t:demo_prnt_age_v2        0.276440
## asr_scr_antisocial_t:demo_prnt_marital_v2    0.316495
## asr_scr_antisocial_t:demo_comb_income_v2     0.393630
## asr_scr_antisocial_t:demo_fam_exp            0.450764
## asr_scr_antisocial_t:demo_yrs_1              0.830772
## asr_scr_antisocial_t:demo_yrs_2              0.501918
## asr_scr_antisocial_t:parent_rules_q1         0.176640
## asr_scr_antisocial_t:parent_rules_q4         0.288176
## asr_scr_antisocial_t:parent_rules_q7         0.682893
## asr_scr_antisocial_t:su_risk_p_1             0.074677 .
## asr_scr_antisocial_t:su_risk_p_2_3           0.060023 .
## asr_scr_antisocial_t:su_risk_p_4_5           0.198976
## asr_scr_antisocial_t:neighborhood1_2_3_p     0.876728
## asr_scr_antisocial_t:neighborhood_crime_y    0.214518
## asr_scr_antisocial_t:sexM                    0.945777
## asr_scr_inattention_t:asr_scr_hyperactive_t  0.642517
```

```
## asr_scr_inattention_t:crpbi_bothcare               0.426687
## asr_scr_inattention_t:parent_monitor_y             0.600477
## asr_scr_inattention_t:kbi_p_conflict               0.982003
## asr_scr_inattention_t:kbi_p_c_best_friend          0.685561
## asr_scr_inattention_t:kbi_p_c_reg_friend_group 0.960510
## asr_scr_inattention_t:kbi_p_c_bully               0.042951 *
## asr_scr_inattention_t:kbi_p_c_mh_sa               0.366512
## asr_scr_inattention_t:fes_youth                   0.497740
## asr_scr_inattention_t:fes_p_ss_fc_pr              0.851844
## asr_scr_inattention_t:macv_p_ss_fs                0.083413 .
## asr_scr_inattention_t:macv_p_ss_fo                0.203271
## asr_scr_inattention_t:macv_p_ss_isr               0.302361
## asr_scr_inattention_t:macv_p_ss_fr                0.700864
## asr_scr_inattention_t:macv_p_ss_r                 0.052597 .
## asr_scr_inattention_t:demo_prnt_age_v2            0.293990
## asr_scr_inattention_t:demo_prnt_marital_v2        0.094548 .
## asr_scr_inattention_t:demo_comb_income_v2         0.603933
## asr_scr_inattention_t:demo_fam_exp                0.460123
## asr_scr_inattention_t:demo_yrs_1                  0.899324
## asr_scr_inattention_t:demo_yrs_2                  0.142210
## asr_scr_inattention_t:parent_rules_q1             0.168408
## asr_scr_inattention_t:parent_rules_q4             0.816088
## asr_scr_inattention_t:parent_rules_q7             0.373010
## asr_scr_inattention_t:su_risk_p_1                 0.564732
## asr_scr_inattention_t:su_risk_p_2_3               0.281180
## asr_scr_inattention_t:su_risk_p_4_5               0.072200 .
## asr_scr_inattention_t:neighborhood1_2_3_p         0.661105
## asr_scr_inattention_t:neighborhood_crime_y        0.043772 *
## asr_scr_inattention_t:sexM                        0.146753
## asr_scr_hyperactive_t:crpbi_bothcare              0.476481
## asr_scr_hyperactive_t:parent_monitor_y            0.185918
## asr_scr_hyperactive_t:kbi_p_conflict              0.259972
## asr_scr_hyperactive_t:kbi_p_c_best_friend         0.734159
## asr_scr_hyperactive_t:kbi_p_c_reg_friend_group 0.263246
## asr_scr_hyperactive_t:kbi_p_c_bully               0.009897 **
## asr_scr_hyperactive_t:kbi_p_c_mh_sa               1.60e-05 ***
## asr_scr_hyperactive_t:fes_youth                   0.359105
## asr_scr_hyperactive_t:fes_p_ss_fc_pr              0.391449
## asr_scr_hyperactive_t:macv_p_ss_fs                0.811021
## asr_scr_hyperactive_t:macv_p_ss_fo                0.440516
## asr_scr_hyperactive_t:macv_p_ss_isr               0.062674 .
## asr_scr_hyperactive_t:macv_p_ss_fr                0.361054
## asr_scr_hyperactive_t:macv_p_ss_r                 0.642327
## asr_scr_hyperactive_t:demo_prnt_age_v2            0.252676
## asr_scr_hyperactive_t:demo_prnt_marital_v2        0.366811
## asr_scr_hyperactive_t:demo_comb_income_v2         0.590095
## asr_scr_hyperactive_t:demo_fam_exp                0.604742
```

```
## asr_scr_hyperactive_t:demo_yrs_1              0.931535
## asr_scr_hyperactive_t:demo_yrs_2              0.981848
## asr_scr_hyperactive_t:parent_rules_q1         0.266995
## asr_scr_hyperactive_t:parent_rules_q4         0.450142
## asr_scr_hyperactive_t:parent_rules_q7         0.756457
## asr_scr_hyperactive_t:su_risk_p_1             0.644786
## asr_scr_hyperactive_t:su_risk_p_2_3           0.121311
## asr_scr_hyperactive_t:su_risk_p_4_5           0.164513
## asr_scr_hyperactive_t:neighborhood1_2_3_p     0.518625
## asr_scr_hyperactive_t:neighborhood_crime_y    0.398567
## asr_scr_hyperactive_t:sexM                    0.260623
## crpbi_bothcare:parent_monitor_y               0.032128 *
## crpbi_bothcare:kbi_p_conflict                 0.850249
## crpbi_bothcare:kbi_p_c_best_friend            0.706785
## crpbi_bothcare:kbi_p_c_reg_friend_group       0.305960
## crpbi_bothcare:kbi_p_c_bully                  0.000175 ***
## crpbi_bothcare:kbi_p_c_mh_sa                  0.385124
## crpbi_bothcare:fes_youth                      0.575124
## crpbi_bothcare:fes_p_ss_fc_pr                 0.600537
## crpbi_bothcare:macv_p_ss_fs                   0.087730 .
## crpbi_bothcare:macv_p_ss_fo                   0.470108
## crpbi_bothcare:macv_p_ss_isr                  0.581286
## crpbi_bothcare:macv_p_ss_fr                   0.734824
## crpbi_bothcare:macv_p_ss_r                    0.561255
## crpbi_bothcare:demo_prnt_age_v2               0.487624
## crpbi_bothcare:demo_prnt_marital_v2           0.802852
## crpbi_bothcare:demo_comb_income_v2            0.612446
## crpbi_bothcare:demo_fam_exp                   0.560132
## crpbi_bothcare:demo_yrs_1                     0.460912
## crpbi_bothcare:demo_yrs_2                     0.541752
## crpbi_bothcare:parent_rules_q1                0.762040
## crpbi_bothcare:parent_rules_q4                0.405884
## crpbi_bothcare:parent_rules_q7                0.188915
## crpbi_bothcare:su_risk_p_1                    0.573638
## crpbi_bothcare:su_risk_p_2_3                  0.003566 **
## crpbi_bothcare:su_risk_p_4_5                  0.198369
## crpbi_bothcare:neighborhood1_2_3_p            0.509695
## crpbi_bothcare:neighborhood_crime_y           0.431086
## crpbi_bothcare:sexM                           0.236881
## parent_monitor_y:kbi_p_conflict               0.824789
## parent_monitor_y:kbi_p_c_best_friend          0.857150
## parent_monitor_y:kbi_p_c_reg_friend_group     0.072619 .
## parent_monitor_y:kbi_p_c_bully                0.540636
## parent_monitor_y:kbi_p_c_mh_sa                0.206865
## parent_monitor_y:fes_youth                    0.800663
## parent_monitor_y:fes_p_ss_fc_pr               0.671442
## parent_monitor_y:macv_p_ss_fs                 0.891650
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```
## parent_monitor_y:macv_p_ss_fo                    0.713732
## parent_monitor_y:macv_p_ss_isr                   0.492835
## parent_monitor_y:macv_p_ss_fr                    0.970623
## parent_monitor_y:macv_p_ss_r                     0.945291
## parent_monitor_y:demo_prnt_age_v2                0.206784
## parent_monitor_y:demo_prnt_marital_v2            0.224833
## parent_monitor_y:demo_comb_income_v2             0.711779
## parent_monitor_y:demo_fam_exp                    0.380430
## parent_monitor_y:demo_yrs_1                      0.787531
## parent_monitor_y:demo_yrs_2                      0.456663
## parent_monitor_y:parent_rules_q1                 0.973785
## parent_monitor_y:parent_rules_q4                 0.012988 *
## parent_monitor_y:parent_rules_q7                 0.004333 **
## parent_monitor_y:su_risk_p_1                     0.560316
## parent_monitor_y:su_risk_p_2_3                   0.715936
## parent_monitor_y:su_risk_p_4_5                   0.672887
## parent_monitor_y:neighborhood1_2_3_p             0.788760
## parent_monitor_y:neighborhood_crime_y            0.103237
## parent_monitor_y:sexM                            0.749700
## kbi_p_conflict:kbi_p_c_best_friend               0.735553
## kbi_p_conflict:kbi_p_c_reg_friend_group          0.664134
## kbi_p_conflict:kbi_p_c_bully                     0.045867 *
## kbi_p_conflict:kbi_p_c_mh_sa                     0.054156 .
## kbi_p_conflict:fes_youth                         0.599352
## kbi_p_conflict:fes_p_ss_fc_pr                    0.268668
## kbi_p_conflict:macv_p_ss_fs                      0.471792
## kbi_p_conflict:macv_p_ss_fo                      0.267441
## kbi_p_conflict:macv_p_ss_isr                     0.624522
## kbi_p_conflict:macv_p_ss_fr                      0.348814
## kbi_p_conflict:macv_p_ss_r                       0.206232
## kbi_p_conflict:demo_prnt_age_v2                  0.579429
## kbi_p_conflict:demo_prnt_marital_v2              0.733387
## kbi_p_conflict:demo_comb_income_v2               0.502739
## kbi_p_conflict:demo_fam_exp                      0.901609
## kbi_p_conflict:demo_yrs_1                        0.925055
## kbi_p_conflict:demo_yrs_2                        0.066931 .
## kbi_p_conflict:parent_rules_q1                   0.965334
## kbi_p_conflict:parent_rules_q4                   0.148851
## kbi_p_conflict:parent_rules_q7                   0.942828
## kbi_p_conflict:su_risk_p_1                       0.725787
## kbi_p_conflict:su_risk_p_2_3                     0.477815
## kbi_p_conflict:su_risk_p_4_5                     0.260302
## kbi_p_conflict:neighborhood1_2_3_p               0.504957
## kbi_p_conflict:neighborhood_crime_y              0.455917
## kbi_p_conflict:sexM                              0.667000
## kbi_p_c_best_friend:kbi_p_c_reg_friend_group     0.021766 *
## kbi_p_c_best_friend:kbi_p_c_bully                0.494184
```

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## kbi_p_c_best_friend:kbi_p_c_mh_sa              0.327587
## kbi_p_c_best_friend:fes_youth                  0.844917
## kbi_p_c_best_friend:fes_p_ss_fc_pr             0.700070
## kbi_p_c_best_friend:macv_p_ss_fs               0.853791
## kbi_p_c_best_friend:macv_p_ss_fo               0.017625 *
## kbi_p_c_best_friend:macv_p_ss_isr              0.125411
## kbi_p_c_best_friend:macv_p_ss_fr               0.922947
## kbi_p_c_best_friend:macv_p_ss_r                0.832793
## kbi_p_c_best_friend:demo_prnt_age_v2           0.891168
## kbi_p_c_best_friend:demo_prnt_marital_v2       0.541374
## kbi_p_c_best_friend:demo_comb_income_v2        0.249762
## kbi_p_c_best_friend:demo_fam_exp               0.186119
## kbi_p_c_best_friend:demo_yrs_1                 0.846142
## kbi_p_c_best_friend:demo_yrs_2                 0.146352
## kbi_p_c_best_friend:parent_rules_q1            0.319546
## kbi_p_c_best_friend:parent_rules_q4            0.030001 *
## kbi_p_c_best_friend:parent_rules_q7            0.031575 *
## kbi_p_c_best_friend:su_risk_p_1                0.874556
## kbi_p_c_best_friend:su_risk_p_2_3              0.870741
## kbi_p_c_best_friend:su_risk_p_4_5              0.666435
## kbi_p_c_best_friend:neighborhood1_2_3_p        0.162339
## kbi_p_c_best_friend:neighborhood_crime_y       0.189805
## kbi_p_c_best_friend:sexM                       0.200128
## kbi_p_c_reg_friend_group:kbi_p_c_bully         0.753154
## kbi_p_c_reg_friend_group:kbi_p_c_mh_sa         0.000517 ***
## kbi_p_c_reg_friend_group:fes_youth             0.277420
## kbi_p_c_reg_friend_group:fes_p_ss_fc_pr        0.182092
## kbi_p_c_reg_friend_group:macv_p_ss_fs          0.438226
## kbi_p_c_reg_friend_group:macv_p_ss_fo          0.240267
## kbi_p_c_reg_friend_group:macv_p_ss_isr         0.386831
## kbi_p_c_reg_friend_group:macv_p_ss_fr          0.614997
## kbi_p_c_reg_friend_group:macv_p_ss_r           0.437863
## kbi_p_c_reg_friend_group:demo_prnt_age_v2      0.556891
## kbi_p_c_reg_friend_group:demo_prnt_marital_v2  0.333525
## kbi_p_c_reg_friend_group:demo_comb_income_v2   0.905908
## kbi_p_c_reg_friend_group:demo_fam_exp          0.090946 .
## kbi_p_c_reg_friend_group:demo_yrs_1            0.964222
## kbi_p_c_reg_friend_group:demo_yrs_2            0.336856
## kbi_p_c_reg_friend_group:parent_rules_q1       0.558304
## kbi_p_c_reg_friend_group:parent_rules_q4       0.687439
## kbi_p_c_reg_friend_group:parent_rules_q7       0.809511
## kbi_p_c_reg_friend_group:su_risk_p_1           0.859118
## kbi_p_c_reg_friend_group:su_risk_p_2_3         0.661192
## kbi_p_c_reg_friend_group:su_risk_p_4_5         0.454212
## kbi_p_c_reg_friend_group:neighborhood1_2_3_p   0.124699
## kbi_p_c_reg_friend_group:neighborhood_crime_y  0.271574
## kbi_p_c_reg_friend_group:sexM                  0.903954
```

```
## kbi_p_c_bully:kbi_p_c_mh_sa              0.332280
## kbi_p_c_bully:fes_youth                  0.116805
## kbi_p_c_bully:fes_p_ss_fc_pr             0.711291
## kbi_p_c_bully:macv_p_ss_fs               0.259816
## kbi_p_c_bully:macv_p_ss_fo               0.185044
## kbi_p_c_bully:macv_p_ss_isr              0.058528 .
## kbi_p_c_bully:macv_p_ss_fr               0.229163
## kbi_p_c_bully:macv_p_ss_r                0.553786
## kbi_p_c_bully:demo_prnt_age_v2           0.319745
## kbi_p_c_bully:demo_prnt_marital_v2       0.453023
## kbi_p_c_bully:demo_comb_income_v2        0.931526
## kbi_p_c_bully:demo_fam_exp               0.024611 *
## kbi_p_c_bully:demo_yrs_1                 0.325363
## kbi_p_c_bully:demo_yrs_2                 0.389141
## kbi_p_c_bully:parent_rules_q1            0.334770
## kbi_p_c_bully:parent_rules_q4            0.007550 **
## kbi_p_c_bully:parent_rules_q7            0.171207
## kbi_p_c_bully:su_risk_p_1                0.150774
## kbi_p_c_bully:su_risk_p_2_3              0.604542
## kbi_p_c_bully:su_risk_p_4_5              0.014939 *
## kbi_p_c_bully:neighborhood1_2_3_p        0.906251
## kbi_p_c_bully:neighborhood_crime_y       0.004115 **
## kbi_p_c_bully:sexM                       0.843242
## kbi_p_c_mh_sa:fes_youth                  0.917822
## kbi_p_c_mh_sa:fes_p_ss_fc_pr             0.817625
## kbi_p_c_mh_sa:macv_p_ss_fs               0.314676
## kbi_p_c_mh_sa:macv_p_ss_fo               0.240744
## kbi_p_c_mh_sa:macv_p_ss_isr              0.383242
## kbi_p_c_mh_sa:macv_p_ss_fr               0.341351
## kbi_p_c_mh_sa:macv_p_ss_r                0.071960 .
## kbi_p_c_mh_sa:demo_prnt_age_v2           0.791014
## kbi_p_c_mh_sa:demo_prnt_marital_v2       0.012397 *
## kbi_p_c_mh_sa:demo_comb_income_v2        0.480755
## kbi_p_c_mh_sa:demo_fam_exp               0.687619
## kbi_p_c_mh_sa:demo_yrs_1                 0.023667 *
## kbi_p_c_mh_sa:demo_yrs_2                 0.003551 **
## kbi_p_c_mh_sa:parent_rules_q1            0.241060
## kbi_p_c_mh_sa:parent_rules_q4            0.849063
## kbi_p_c_mh_sa:parent_rules_q7            0.643478
## kbi_p_c_mh_sa:su_risk_p_1                0.887219
## kbi_p_c_mh_sa:su_risk_p_2_3              0.030072 *
## kbi_p_c_mh_sa:su_risk_p_4_5              0.340591
## kbi_p_c_mh_sa:neighborhood1_2_3_p        0.161510
## kbi_p_c_mh_sa:neighborhood_crime_y       0.444328
## kbi_p_c_mh_sa:sexM                       0.000963 ***
## fes_youth:fes_p_ss_fc_pr                 0.675041
## fes_youth:macv_p_ss_fs                   0.981795
```

```
## fes_youth:macv_p_ss_fo                      0.238533
## fes_youth:macv_p_ss_isr                     0.360659
## fes_youth:macv_p_ss_fr                      0.852791
## fes_youth:macv_p_ss_r                       0.150701
## fes_youth:demo_prnt_age_v2                  0.392454
## fes_youth:demo_prnt_marital_v2              0.466524
## fes_youth:demo_comb_income_v2               0.469945
## fes_youth:demo_fam_exp                      0.805456
## fes_youth:demo_yrs_1                        0.121544
## fes_youth:demo_yrs_2                        0.129652
## fes_youth:parent_rules_q1                   0.014169 *
## fes_youth:parent_rules_q4                   0.390326
## fes_youth:parent_rules_q7                   0.350671
## fes_youth:su_risk_p_1                       0.406004
## fes_youth:su_risk_p_2_3                     0.552989
## fes_youth:su_risk_p_4_5                     0.757616
## fes_youth:neighborhood1_2_3_p              0.523258
## fes_youth:neighborhood_crime_y              0.629162
## fes_youth:sexM                              0.458798
## fes_p_ss_fc_pr:macv_p_ss_fs                 0.189194
## fes_p_ss_fc_pr:macv_p_ss_fo                 0.264435
## fes_p_ss_fc_pr:macv_p_ss_isr                0.837942
## fes_p_ss_fc_pr:macv_p_ss_fr                 0.912364
## fes_p_ss_fc_pr:macv_p_ss_r                  0.639808
## fes_p_ss_fc_pr:demo_prnt_age_v2             0.122370
## fes_p_ss_fc_pr:demo_prnt_marital_v2         0.729645
## fes_p_ss_fc_pr:demo_comb_income_v2          0.563015
## fes_p_ss_fc_pr:demo_fam_exp                 0.223954
## fes_p_ss_fc_pr:demo_yrs_1                   0.239579
## fes_p_ss_fc_pr:demo_yrs_2                   0.659302
## fes_p_ss_fc_pr:parent_rules_q1              0.726756
## fes_p_ss_fc_pr:parent_rules_q4              0.086180 .
## fes_p_ss_fc_pr:parent_rules_q7              0.509327
## fes_p_ss_fc_pr:su_risk_p_1                  0.512841
## fes_p_ss_fc_pr:su_risk_p_2_3                0.065411 .
## fes_p_ss_fc_pr:su_risk_p_4_5                0.882664
## fes_p_ss_fc_pr:neighborhood1_2_3_p          0.798541
## fes_p_ss_fc_pr:neighborhood_crime_y         0.703639
## fes_p_ss_fc_pr:sexM                         0.093072 .
## macv_p_ss_fs:macv_p_ss_fo                   0.273265
## macv_p_ss_fs:macv_p_ss_isr                  0.917084
## macv_p_ss_fs:macv_p_ss_fr                   0.141144
## macv_p_ss_fs:macv_p_ss_r                    0.084268 .
## macv_p_ss_fs:demo_prnt_age_v2               0.874819
## macv_p_ss_fs:demo_prnt_marital_v2           0.270263
## macv_p_ss_fs:demo_comb_income_v2            0.350206
## macv_p_ss_fs:demo_fam_exp                   0.631777
```

```
## macv_p_ss_fs:demo_yrs_1                    0.312130
## macv_p_ss_fs:demo_yrs_2                    0.220746
## macv_p_ss_fs:parent_rules_q1               0.850773
## macv_p_ss_fs:parent_rules_q4               0.405561
## macv_p_ss_fs:parent_rules_q7               0.539263
## macv_p_ss_fs:su_risk_p_1                   0.670569
## macv_p_ss_fs:su_risk_p_2_3                 0.127832
## macv_p_ss_fs:su_risk_p_4_5                 0.341351
## macv_p_ss_fs:neighborhood1_2_3_p           0.492296
## macv_p_ss_fs:neighborhood_crime_y          0.358505
## macv_p_ss_fs:sexM                          0.518574
## macv_p_ss_fo:macv_p_ss_isr                 0.859288
## macv_p_ss_fo:macv_p_ss_fr                  0.362683
## macv_p_ss_fo:macv_p_ss_r                   0.429247
## macv_p_ss_fo:demo_prnt_age_v2              0.028532 *
## macv_p_ss_fo:demo_prnt_marital_v2          0.553167
## macv_p_ss_fo:demo_comb_income_v2           0.586863
## macv_p_ss_fo:demo_fam_exp                  0.831243
## macv_p_ss_fo:demo_yrs_1                    0.472043
## macv_p_ss_fo:demo_yrs_2                    0.124808
## macv_p_ss_fo:parent_rules_q1               0.707606
## macv_p_ss_fo:parent_rules_q4               0.678953
## macv_p_ss_fo:parent_rules_q7               0.457997
## macv_p_ss_fo:su_risk_p_1                   0.656595
## macv_p_ss_fo:su_risk_p_2_3                 0.404116
## macv_p_ss_fo:su_risk_p_4_5                 0.309251
## macv_p_ss_fo:neighborhood1_2_3_p           0.825083
## macv_p_ss_fo:neighborhood_crime_y          0.778844
## macv_p_ss_fo:sexM                          0.519081
## macv_p_ss_isr:macv_p_ss_fr                 0.464986
## macv_p_ss_isr:macv_p_ss_r                  0.582321
## macv_p_ss_isr:demo_prnt_age_v2             0.564920
## macv_p_ss_isr:demo_prnt_marital_v2         0.735141
## macv_p_ss_isr:demo_comb_income_v2          0.337995
## macv_p_ss_isr:demo_fam_exp                 0.326023
## macv_p_ss_isr:demo_yrs_1                   0.671280
## macv_p_ss_isr:demo_yrs_2                   0.282833
## macv_p_ss_isr:parent_rules_q1              0.044836 *
## macv_p_ss_isr:parent_rules_q4              0.953909
## macv_p_ss_isr:parent_rules_q7              0.430241
## macv_p_ss_isr:su_risk_p_1                  0.105174
## macv_p_ss_isr:su_risk_p_2_3                0.368524
## macv_p_ss_isr:su_risk_p_4_5                0.011370 *
## macv_p_ss_isr:neighborhood1_2_3_p          0.070787 .
## macv_p_ss_isr:neighborhood_crime_y         0.043355 *
## macv_p_ss_isr:sexM                         0.191755
## macv_p_ss_fr:macv_p_ss_r                   0.763998
```

```
## macv_p_ss_fr:demo_prnt_age_v2                      0.707133
## macv_p_ss_fr:demo_prnt_marital_v2                  0.391489
## macv_p_ss_fr:demo_comb_income_v2                   0.636139
## macv_p_ss_fr:demo_fam_exp                          0.526615
## macv_p_ss_fr:demo_yrs_1                            0.395033
## macv_p_ss_fr:demo_yrs_2                            0.940391
## macv_p_ss_fr:parent_rules_q1                       0.605441
## macv_p_ss_fr:parent_rules_q4                       0.163980
## macv_p_ss_fr:parent_rules_q7                       0.767328
## macv_p_ss_fr:su_risk_p_1                           0.729190
## macv_p_ss_fr:su_risk_p_2_3                         0.410947
## macv_p_ss_fr:su_risk_p_4_5                         0.639294
## macv_p_ss_fr:neighborhood1_2_3_p                   0.231567
## macv_p_ss_fr:neighborhood_crime_y                  0.180813
## macv_p_ss_fr:sexM                                  0.377350
## macv_p_ss_r:demo_prnt_age_v2                       0.553352
## macv_p_ss_r:demo_prnt_marital_v2                   0.229920
## macv_p_ss_r:demo_comb_income_v2                    0.753140
## macv_p_ss_r:demo_fam_exp                           0.460094
## macv_p_ss_r:demo_yrs_1                             0.097032 .
## macv_p_ss_r:demo_yrs_2                             0.405996
## macv_p_ss_r:parent_rules_q1                        0.991168
## macv_p_ss_r:parent_rules_q4                        0.337018
## macv_p_ss_r:parent_rules_q7                        0.688441
## macv_p_ss_r:su_risk_p_1                            0.453921
## macv_p_ss_r:su_risk_p_2_3                          0.318942
## macv_p_ss_r:su_risk_p_4_5                          0.442632
## macv_p_ss_r:neighborhood1_2_3_p                    0.444744
## macv_p_ss_r:neighborhood_crime_y                   0.506485
## macv_p_ss_r:sexM                                   0.740078
## demo_prnt_age_v2:demo_prnt_marital_v2              0.217568
## demo_prnt_age_v2:demo_comb_income_v2               0.002390 **
## demo_prnt_age_v2:demo_fam_exp                      0.269464
## demo_prnt_age_v2:demo_yrs_1                        0.485116
## demo_prnt_age_v2:demo_yrs_2                        0.103771
## demo_prnt_age_v2:parent_rules_q1                   0.211441
## demo_prnt_age_v2:parent_rules_q4                   0.681255
## demo_prnt_age_v2:parent_rules_q7                   0.390460
## demo_prnt_age_v2:su_risk_p_1                       0.779587
## demo_prnt_age_v2:su_risk_p_2_3                     0.248748
## demo_prnt_age_v2:su_risk_p_4_5                     0.105755
## demo_prnt_age_v2:neighborhood1_2_3_p              0.629173
## demo_prnt_age_v2:neighborhood_crime_y              0.437537
## demo_prnt_age_v2:sexM                              0.162264
## demo_prnt_marital_v2:demo_comb_income_v2           0.812430
## demo_prnt_marital_v2:demo_fam_exp                  0.478107
## demo_prnt_marital_v2:demo_yrs_1                    0.641553
```

```
## demo_prnt_marital_v2:demo_yrs_2              0.400341
## demo_prnt_marital_v2:parent_rules_q1         0.048777 *
## demo_prnt_marital_v2:parent_rules_q4         0.012782 *
## demo_prnt_marital_v2:parent_rules_q7         0.925202
## demo_prnt_marital_v2:su_risk_p_1             0.455584
## demo_prnt_marital_v2:su_risk_p_2_3           0.016862 *
## demo_prnt_marital_v2:su_risk_p_4_5           0.091327 .
## demo_prnt_marital_v2:neighborhood1_2_3_p     0.071551 .
## demo_prnt_marital_v2:neighborhood_crime_y    0.501935
## demo_prnt_marital_v2:sexM                    0.284020
## demo_comb_income_v2:demo_fam_exp             0.291622
## demo_comb_income_v2:demo_yrs_1               0.065051 .
## demo_comb_income_v2:demo_yrs_2               0.976638
## demo_comb_income_v2:parent_rules_q1          0.176576
## demo_comb_income_v2:parent_rules_q4          0.589033
## demo_comb_income_v2:parent_rules_q7          0.440280
## demo_comb_income_v2:su_risk_p_1              0.719116
## demo_comb_income_v2:su_risk_p_2_3            0.086366 .
## demo_comb_income_v2:su_risk_p_4_5            0.004923 **
## demo_comb_income_v2:neighborhood1_2_3_p      0.001284 **
## demo_comb_income_v2:neighborhood_crime_y     0.452597
## demo_comb_income_v2:sexM                     0.921828
## demo_fam_exp:demo_yrs_1                       0.153609
## demo_fam_exp:demo_yrs_2                       0.188150
## demo_fam_exp:parent_rules_q1                  0.008292 **
## demo_fam_exp:parent_rules_q4                  0.354905
## demo_fam_exp:parent_rules_q7                  0.232705
## demo_fam_exp:su_risk_p_1                      0.395606
## demo_fam_exp:su_risk_p_2_3                    0.943249
## demo_fam_exp:su_risk_p_4_5                    0.765730
## demo_fam_exp:neighborhood1_2_3_p             0.742289
## demo_fam_exp:neighborhood_crime_y            0.825773
## demo_fam_exp:sexM                             0.401267
## demo_yrs_1:demo_yrs_2                         0.554141
## demo_yrs_1:parent_rules_q1                    0.250962
## demo_yrs_1:parent_rules_q4                    0.343866
## demo_yrs_1:parent_rules_q7                    0.833072
## demo_yrs_1:su_risk_p_1                        0.622322
## demo_yrs_1:su_risk_p_2_3                      0.001486 **
## demo_yrs_1:su_risk_p_4_5                      0.122853
## demo_yrs_1:neighborhood1_2_3_p               0.981134
## demo_yrs_1:neighborhood_crime_y              0.673186
## demo_yrs_1:sexM                               0.152060
## demo_yrs_2:parent_rules_q1                    0.366291
## demo_yrs_2:parent_rules_q4                    0.934106
## demo_yrs_2:parent_rules_q7                    0.610503
## demo_yrs_2:su_risk_p_1                        0.037331 *
```

```
## demo_yrs_2:su_risk_p_2_3                      0.224330
## demo_yrs_2:su_risk_p_4_5                      0.004435 **
## demo_yrs_2:neighborhood1_2_3_p               0.497857
## demo_yrs_2:neighborhood_crime_y              0.600242
## demo_yrs_2:sexM                              0.613145
## parent_rules_q1:parent_rules_q4              0.280078
## parent_rules_q1:parent_rules_q7              0.842148
## parent_rules_q1:su_risk_p_1                  0.612024
## parent_rules_q1:su_risk_p_2_3                0.407732
## parent_rules_q1:su_risk_p_4_5                0.281555
## parent_rules_q1:neighborhood1_2_3_p          0.614866
## parent_rules_q1:neighborhood_crime_y         0.227409
## parent_rules_q1:sexM                         0.087317 .
## parent_rules_q4:parent_rules_q7              0.513972
## parent_rules_q4:su_risk_p_1                  0.932446
## parent_rules_q4:su_risk_p_2_3                0.712558
## parent_rules_q4:su_risk_p_4_5                0.578176
## parent_rules_q4:neighborhood1_2_3_p          0.774029
## parent_rules_q4:neighborhood_crime_y         0.314886
## parent_rules_q4:sexM                         0.339694
## parent_rules_q7:su_risk_p_1                  0.554096
## parent_rules_q7:su_risk_p_2_3                0.239803
## parent_rules_q7:su_risk_p_4_5                0.149461
## parent_rules_q7:neighborhood1_2_3_p          0.791298
## parent_rules_q7:neighborhood_crime_y         0.786426
## parent_rules_q7:sexM                         0.078536 .
## su_risk_p_1:su_risk_p_2_3                    0.474694
## su_risk_p_1:su_risk_p_4_5                    0.120234
## su_risk_p_1:neighborhood1_2_3_p              0.477583
## su_risk_p_1:neighborhood_crime_y             0.345223
## su_risk_p_1:sexM                             0.076451 .
## su_risk_p_2_3:su_risk_p_4_5                  7.22e-06 ***
## su_risk_p_2_3:neighborhood1_2_3_p            0.955135
## su_risk_p_2_3:neighborhood_crime_y           0.718041
## su_risk_p_2_3:sexM                           0.110104
## su_risk_p_4_5:neighborhood1_2_3_p            0.909408
## su_risk_p_4_5:neighborhood_crime_y           0.219146
## su_risk_p_4_5:sexM                           0.195690
## neighborhood1_2_3_p:neighborhood_crime_y     0.752487
## neighborhood1_2_3_p:sexM                     0.472065
## neighborhood_crime_y:sexM                    0.929762
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 8804.4  on 6593  degrees of freedom
```

```
## Residual deviance: 3639.8  on 5368  degrees of freedom
## AIC: 6091.8
##
## Number of Fisher Scoring iterations: 8
```

```
cm <- confusionMatrix(table(as.numeric(glm.fit$fitted.values>0.5), df$y))
print(cm)
```

```
## Confusion Matrix and Statistics
##
##
##        0    1
##   0 3745  467
##   1  294 2088
##
##               Accuracy : 0.8846
##                 95% CI : (0.8766, 0.8922)
##    No Information Rate : 0.6125
##    P-Value [Acc > NIR] : < 2.2e-16
##
##                  Kappa : 0.7538
##
##  Mcnemar's Test P-Value : 4.518e-10
##
##            Sensitivity : 0.9272
##            Specificity : 0.8172
##         Pos Pred Value : 0.8891
##         Neg Pred Value : 0.8766
##             Prevalence : 0.6125
##         Detection Rate : 0.5679
##   Detection Prevalence : 0.6388
##      Balanced Accuracy : 0.8722
##
##       'Positive' Class : 0
##
```

```
print(cm$byClass)
```

```
##          Sensitivity          Specificity        Pos Pred Value
##           0.9272097            0.8172211            0.8891263
##        Neg Pred Value           Precision               Recall
##           0.8765743            0.8891263            0.9272097
##                   F1          Prevalence        Detection Rate
##           0.9077688            0.6125265            0.5679406
## Detection Prevalence    Balanced Accuracy
##           0.6387625            0.8722154
```

Step Wise Logistic Regression StepWise Model Selection

```r
library(MASS)
library(tidyverse)
glm.fit <- glm(y ~ ., data = df, family = binomial)
step.model <- glm.fit %>% stepAIC(trace = FALSE)
```

Result

```r
summary(step.model)
```

```
##
## Call:
## glm(formula = y ~ asr_scr_perstr_t + asr_scr_anxdep_t + asr_scr_thought_t +
##     asr_scr_attention_t + asr_scr_aggressive_t + asr_scr_rulebreak_t +
##     asr_scr_external_t + asr_scr_totprob_t + asr_scr_somaticpr_t +
##     asr_scr_avoidant_t + asr_scr_adhd_t + asr_scr_antisocial_t +
##     asr_scr_hyperactive_t + crpbi_bothcare + kbi_p_conflict +
##     kbi_p_c_bully + kbi_p_c_mh_sa + fes_youth + fes_p_ss_fc_pr +
##     macv_p_ss_fo + macv_p_ss_r + demo_prnt_age_v2 + demo_prnt_marital_v2 +
##     demo_comb_income_v2 + demo_fam_exp + demo_yrs_1 + demo_yrs_2 +
##     parent_rules_q4 + neighborhood1_2_3_p + neighborhood_crime_y +
##     sex, family = binomial, data = df)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -3.2299  -0.5900  -0.3054   0.4860   3.0874
##
## Coefficients:
##                       Estimate Std. Error z value Pr(>|z|)
## (Intercept)          -8.053363   1.055239  -7.632 2.32e-14 ***
## asr_scr_perstr_t      0.011875   0.004148   2.863 0.004193 **
## asr_scr_anxdep_t     -0.033283   0.011432  -2.911 0.003597 **
## asr_scr_thought_t     0.017369   0.009969   1.742 0.081464 .
## asr_scr_attention_t   0.030928   0.016377   1.888 0.058960 .
## asr_scr_aggressive_t -0.056502   0.015753  -3.587 0.000335 ***
```

```
## asr_scr_rulebreak_t    -0.047682   0.013368  -3.567 0.000361 ***
## asr_scr_external_t      0.063951   0.010633   6.015 1.80e-09 ***
## asr_scr_totprob_t       0.055479   0.012177   4.556 5.21e-06 ***
## asr_scr_somaticpr_t     0.020694   0.007302   2.834 0.004596 **
## asr_scr_avoidant_t      0.018776   0.009358   2.006 0.044818 *
## asr_scr_adhd_t         -0.030604   0.021391  -1.431 0.152520
## asr_scr_antisocial_t    0.023148   0.015700   1.474 0.140374
## asr_scr_hyperactive_t   0.027193   0.018111   1.501 0.133237
## crpbi_bothcare         -0.007868   0.005536  -1.421 0.155221
## kbi_p_conflict          2.235590   0.094507  23.655  < 2e-16 ***
## kbi_p_c_bully           0.924987   0.099555   9.291  < 2e-16 ***
## kbi_p_c_mh_sa           1.269945   0.091934  13.814  < 2e-16 ***
## fes_youth               0.114114   0.018602   6.135 8.53e-10 ***
## fes_p_ss_fc_pr          0.133990   0.020059   6.680 2.39e-11 ***
## macv_p_ss_fo            0.115516   0.059785   1.932 0.053336 .
## macv_p_ss_r             0.182390   0.043217   4.220 2.44e-05 ***
## demo_prnt_age_v2       -0.012898   0.005677  -2.272 0.023087 *
## demo_prnt_marital_v2    0.098772   0.025257   3.911 9.20e-05 ***
## demo_comb_income_v2    -0.060904   0.020620  -2.954 0.003141 **
## demo_fam_exp            0.233279   0.099115   2.354 0.018592 *
## demo_yrs_1              0.063211   0.038650   1.635 0.101949
## demo_yrs_2             -0.134540   0.054716  -2.459 0.013938 *
## parent_rules_q4         0.072732   0.045497   1.599 0.109903
## neighborhood1_2_3_p    -0.076861   0.040603  -1.893 0.058358 .
## neighborhood_crime_y   -0.097209   0.034703  -2.801 0.005092 **
## sexM                    0.478035   0.070983   6.734 1.64e-11 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 8804.4  on 6593  degrees of freedom
## Residual deviance: 5164.5  on 6562  degrees of freedom
## AIC: 5228.5
##
## Number of Fisher Scoring iterations: 5
```

```
cm <- confusionMatrix(table(as.numeric(step.model$fitted.values>0.5), df$y))
print(cm)
```

```
## Confusion Matrix and Statistics
##
##
##          0    1
##    0  3603   725
##    1   436  1830
##
##               Accuracy : 0.8239
##                 95% CI : (0.8145, 0.8331)
##    No Information Rate : 0.6125
##    P-Value [Acc > NIR] : < 2.2e-16
##
##                  Kappa : 0.6212
##
##  Mcnemar's Test P-Value : < 2.2e-16
##
##            Sensitivity : 0.8921
##            Specificity : 0.7162
##         Pos Pred Value : 0.8325
##         Neg Pred Value : 0.8076
##             Prevalence : 0.6125
##         Detection Rate : 0.5464
##   Detection Prevalence : 0.6564
##      Balanced Accuracy : 0.8041
##
##       'Positive' Class : 0
##
```

```
print(cm$byClass)
```

```
##          Sensitivity            Specificity        Pos Pred Value
##            0.8920525              0.7162427             0.8324861
##       Neg Pred Value              Precision                Recall
##            0.8075905              0.8324861             0.8920525
##                   F1             Prevalence        Detection Rate
##            0.8612406              0.6125265             0.5464058
## Detection Prevalence      Balanced Accuracy
##            0.6563543              0.8041476
```

Step WiseLogistic Regression W/ Interaction Model Selection

```
#glm.fit <- glm(y ~ . + .^2, data = df, family = binomial)
#step.model <- glm.fit %>% stepAIC(trace = FALSE)
```

Result

```
#summary(step.model )

#cm <- confusionMatrix(table(as.numeric(step.model $fitted.values>0.5), df$y))
#print(cm)
#print(cm$byClass)
```