Experiment 4: Ratings Analyses

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Setup	
Variable names:	
 Experiment: exp4 Data (_d_) d = main df Models (_m_) like = Likeability ratings acc = Accomplishment ratings imp = Importance ratings ratings = build model with all 3 ratings 	
<pre>exp4_d <- read.csv("/data/exp4_data.csv",</pre>	

\$ Condition : Factor w/ 3 levels "first", "full",..: 1 1 1 1 1 1 1 1 1 1 1 ... ## \$ GenderRating: num 6.24 2.61 6.82 5.34 1.28 4.39 3.87 5.22 1.24 5.86 ...

: Factor w/ 63 levels "Ashley Cook",..: 1 18 21 22 25 28 50 5 7 15 ...

'data.frame': 8771 obs. of 10 variables:

\$ Item

```
## $ Male : int 0 1 0 0 1 1 1 1 1 0 ...
## $ Female : int 1 0 1 1 0 0 0 0 0 1 ...
## $ Other : int 0 0 0 0 0 0 0 0 0 0 ...
## $ Likeable : int 2 1 3 2 4 3 3 3 2 4 ...
## $ Accomplished: int 1 2 1 4 2 2 2 5 3 3 ...
## $ Important : int 2 1 5 5 1 4 3 3 2 2 ...
```

Center gender rating for names: Original scale from 1 to 7, with 1 as most masculine and 7 as most feminine. Mean-centered with higher still as more feminine.

Set contrasts for name conditions, now weighted to account for uneven sample sizes. This uses Scott Fraundorf's function for weighted contrasts. (The psycholing package version doesn't support doing 2v1 comparisons, only 1v1.) Condition1 is Last vs First+Full. Condition2 is First vs Full.

```
source("centerfactor.R")
contrasts(exp4_d$Condition) <- centerfactor(
  exp4_d$Condition, c("last","first"))
contrasts(exp4_d$Condition)</pre>
```

```
## [,1] [,2]
## first 0.3312051 -0.497605746
## full 0.3312051 0.502394254
## last -0.6687949 0.002394254
```

Flip ratings from 1=most likeable/accomplished/important to 7=most L/A/I, to make interpreting models easier, then mean-center.

```
exp4_d %<>% mutate(
   LikeableFlip = recode(Likeable,
        '1' = 7, '2' = 6, '3' = 5, '4' = 4, '5' = 3, '6' = 2, '7' = 1),
AccomplishedFlip = recode(Accomplished,
        '1' = 7, '2' = 6, '3' = 5, '4' = 4, '5' = 3, '6' = 2, '7' = 1),
ImportantFlip = recode(Important,
        '1' = 7, '2' = 6, '3' = 5, '4' = 4, '5' = 3, '6' = 2, '7' = 1),
LikeableCentered = scale(LikeableFlip, scale = FALSE),
AccomplishedCentered = scale(AccomplishedFlip, scale = FALSE),
ImportantCentered = scale(ImportantFlip, scale = FALSE))
```

```
8771 obs. of 17 variables:
## 'data.frame':
## $ Participant
                          : Factor w/ 1253 levels "Exp4_P1", "Exp4_P10",..: 520 520 520 520 520 520 520
## $ Condition
                          : Factor w/ 3 levels "first", "full", ...: 1 1 1 1 1 1 1 1 1 1 ...
     ..- attr(*, "contrasts")= num [1:3, 1:2] 0.331 0.331 -0.669 -0.498 0.502 ...
     ...- attr(*, "dimnames")=List of 2
##
     .....$ : chr [1:3] "first" "full" "last"
##
##
     .. .. ..$ : NULL
                          : num 6.24 2.61 6.82 5.34 1.28 4.39 3.87 5.22 1.24 5.86 ...
## $ GenderRating
                          : Factor w/ 63 levels "Ashley Cook",..: 1 18 21 22 25 28 50 5 7 15 ...
## $ Item
```

```
## $ Male
                        : int 0 1 0 0 1 1 1 1 1 0 ...
                        : int 1011000001...
## $ Female
## $ Other
                        : int 0000000000...
## $ Likeable
                        : int 2 1 3 2 4 3 3 3 2 4 ...
                        : int 1 2 1 4 2 2 2 5 3 3 ...
## $ Accomplished
## $ Important
                        : int 2 1 5 5 1 4 3 3 2 2 ...
  $ GenderRatingCentered: num [1:8771, 1] 2.03 -1.6 2.61 1.13 -2.93 ...
    ..- attr(*, "scaled:center")= num 4.21
##
   $ LikeableFlip
##
                        : num 6756455564 ...
  $ AccomplishedFlip
##
                        : num 7 6 7 4 6 6 6 3 5 5 ...
## $ ImportantFlip
                        : num 6733745566...
                        : num [1:8771, 1] 0.561 1.561 -0.439 0.561 -1.439 ...
## $ LikeableCentered
   ..- attr(*, "scaled:center")= num 5.44
  $ AccomplishedCentered: num [1:8771, 1] 1.446 0.446 1.446 -1.554 0.446 ...
   ..- attr(*, "scaled:center")= num 5.55
##
   $ ImportantCentered
                        : num [1:8771, 1] 0.849 1.849 -2.151 -2.151 1.849 ...
    ..- attr(*, "scaled:center")= num 5.15
```

Likeability

Summary statistics:

[1] 1.392179

```
summary(exp4_d$Likeable)
     Min. 1st Qu. Median
                              Mean 3rd Qu.
                                              Max.
##
     1.000
            1.000
                     2.000
                             2.561
                                     3.000
                                             7.000
summary(exp4_d$LikeableFlip)
##
     Min. 1st Qu. Median
                              Mean 3rd Qu.
                                              Max.
##
     1.000
           5.000
                     6.000
                             5.439
                                     7.000
                                             7.000
sd(exp4_d$Likeable)
```

Does the Likeability rating of the character predict how likely the character is to be recalled as female, as opposed to male or other? The maximal model includes random intercepts by item, but not by participant.

```
## Generalized linear mixed model fit by maximum likelihood (Laplace
## Approximation) (p-values based on Wald z-scores) [glmerMod]
```

```
## Family: binomial (logit)
## Formula:
## Female ~ 1 + GenderRatingCentered + LikeableCentered + GenderRatingCentered:LikeableCentered +
       Condition + GenderRatingCentered:Condition + LikeableCentered:Condition +
##
##
       GenderRatingCentered:LikeableCentered:Condition + (1 | Item)
##
      Data: exp4 d
##
##
        ATC
                 BIC
                      logLik deviance df.resid
##
     9066.8
             9158.8 -4520.4
                                9040.8
                                           8758
##
## Scaled residuals:
##
      Min
                1Q Median
                                3Q
                                       Max
  -4.4522 -0.5946 -0.2609 0.5931 5.5758
##
## Random effects:
  Groups Name
                       Variance Std.Dev.
           (Intercept) 0.3372
                                0.5807
  Item
## Number of obs: 8771, groups: Item, 63
## Fixed effects:
##
                                                     Estimate Std. Error
                                                                           z value
## (Intercept)
                                                    -0.244453
                                                                0.078424 -3.117059
## GenderRatingCentered
                                                     0.751745
                                                                0.044492 16.896062
## LikeableCentered
                                                     0.086624
                                                                0.019205 4.510472
## Condition1
                                                     0.119371
                                                                0.055402 2.154647
## Condition2
                                                     0.066950
                                                                0.065302 1.025240
## GenderRatingCentered:LikeableCentered
                                                     0.103182
                                                                0.011834 8.719053
## GenderRatingCentered:Condition1
                                                     0.124923
                                                                0.035196
                                                                         3.549338
## GenderRatingCentered:Condition2
                                                    -0.099175
                                                                0.042892 -2.312214
## LikeableCentered:Condition1
                                                     0.044613
                                                                0.038171
                                                                         1.168758
## LikeableCentered:Condition2
                                                     0.091444
                                                                0.046297
                                                                          1.975159
## GenderRatingCentered:LikeableCentered:Condition1 0.019182
                                                                0.023407
                                                                          0.819486
## GenderRatingCentered:LikeableCentered:Condition2 0.001836
                                                                0.029003
                                                                         0.063300
##
                                                    Pr(>|z|) Pr(>|t|)
## (Intercept)
                                                       0.002 0.001827 **
## GenderRatingCentered
                                                       0.000 < 2e-16 ***
## LikeableCentered
                                                       0.000 6.47e-06 ***
## Condition1
                                                       0.031 0.031189 *
## Condition2
                                                       0.305 0.305250
## GenderRatingCentered:LikeableCentered
                                                       0.000 < 2e-16 ***
## GenderRatingCentered:Condition1
                                                       0.000 0.000386 ***
                                                       0.021 0.020766 *
## GenderRatingCentered:Condition2
## LikeableCentered:Condition1
                                                       0.243 0.242501
## LikeableCentered:Condition2
                                                       0.048 0.048250 *
## GenderRatingCentered:LikeableCentered:Condition1
                                                       0.413 0.412509
## GenderRatingCentered:LikeableCentered:Condition2
                                                       0.950 0.949528
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Correlation of Fixed Effects:
               (Intr) GndrRC LkblCn Cndtn1 Cndtn2 GnRC:LC GRC:C1 GRC:C2 LkC:C1
##
## GndrRtngCnt -0.028
## LikeblCntrd 0.035 -0.010
## Condition1 0.014 0.002 -0.026
```

```
## Condition2 -0.013 0.012 -0.027 -0.019
## GndrRtnC:LC -0.004
                      0.079 - 0.149
                                    0.020
                                          0.024
                             0.019 -0.132
                                           0.020
## GndrRtnC:C1 0.004
                      0.034
## GndrRtnC:C2 0.012 -0.029
                             0.024
                                    0.020 -0.115 -0.030
                                                         -0.046
## LkblCntr:C1 -0.008
                      0.006
                            0.078
                                    0.091 -0.017 -0.011
                                                         -0.012
                                                                 0.015
## LkblCntr:C2 -0.009 0.010 -0.029 -0.015
                                          0.046
                                                 0.004
                                                          0.015 0.013 -0.020
## GndRC:LC:C1 0.008 0.002 -0.010 -0.013 0.016 0.109
                                                          0.176 -0.021 -0.125
## GndRC:LC:C2 0.011 -0.014 0.006 0.016 0.012 -0.058
                                                         -0.019 0.155 0.005
##
              LkC:C2 GRC:LC:C1
## GndrRtngCnt
## LikeblCntrd
## Condition1
## Condition2
## GndrRtnC:LC
## GndrRtnC:C1
## GndrRtnC:C2
## LkblCntr:C1
## LkblCntr:C2
## GndRC:LC:C1
               0.005
## GndRC:LC:C2 -0.127 -0.044
```

- Characters who are rated more Likeable are more likely to be recalled as female across conditions
- Interaction with Name Gender Rating: stronger effect of Likeability rating for more feminine names
- Interaction with Condition (F vs F): n.s. after multiple comparisons
- No other interactions significant

Accomplishment

Summary statistics:

```
summary(exp4_d$Accomplished)
##
                                Mean 3rd Qu.
      Min. 1st Qu.
                     Median
                                                 Max.
              1.000
##
     1.000
                      2.000
                               2.446
                                        3.000
                                                7.000
summary(exp4_d$AccomplishedFlip)
##
      Min. 1st Qu.
                     Median
                                Mean 3rd Qu.
                                                 Max.
     1.000
             5.000
                      6.000
                                                7.000
##
                               5.554
                                        7.000
sd(exp4_d$Accomplished)
```

```
## [1] 1.371271
```

Does the Accomplishment rating of the character predict how likely the character is to be recalled as female, as opposed to male or other? The maximal model includes random intercepts by item, but not by participant.

```
exp4_m_acc <- buildmer(</pre>
  formula = Female ~ Condition * GenderRatingCentered *
            AccomplishedCentered + (1|Participant) + (1|Item),
  data = exp4_d, family = binomial,
  buildmerControl(direction = "order", quiet = TRUE))
summary(exp4_m_acc)
## Generalized linear mixed model fit by maximum likelihood (Laplace
     Approximation) (p-values based on Wald z-scores) [glmerMod]
  Family: binomial (logit)
## Formula:
## Female ~ 1 + GenderRatingCentered + AccomplishedCentered + GenderRatingCentered:AccomplishedCentered
       Condition + GenderRatingCentered:Condition + AccomplishedCentered:Condition +
##
##
       GenderRatingCentered:AccomplishedCentered:Condition + (1 |
##
      Data: exp4 d
##
##
        AIC
                       logLik deviance df.resid
##
     9082.2
              9174.2 -4528.1
                                9056.2
                                           8758
##
## Scaled residuals:
                10 Median
                                3Q
                                       Max
## -4.1200 -0.5912 -0.2519 0.5987 5.7663
## Random effects:
                       Variance Std.Dev.
## Groups Name
           (Intercept) 0.3385
## Item
                                0.5818
## Number of obs: 8771, groups: Item, 63
##
## Fixed effects:
##
                                                          Estimate Std. Error
## (Intercept)
                                                         -0.243204 0.078552
## GenderRatingCentered
                                                          0.749198
                                                                     0.044554
## AccomplishedCentered
                                                          0.047072 0.019043
## Condition1
                                                          0.113323
                                                                     0.055390
## Condition2
                                                          0.071078
                                                                     0.065376
## GenderRatingCentered:AccomplishedCentered
                                                          0.108068
                                                                     0.011716
## GenderRatingCentered:Condition1
                                                          0.126130
                                                                     0.035188
## GenderRatingCentered:Condition2
                                                         -0.100900
                                                                     0.043082
## AccomplishedCentered:Condition1
                                                          0.012340
                                                                     0.038401
## AccomplishedCentered:Condition2
                                                          0.079506
                                                                     0.046748
## GenderRatingCentered:AccomplishedCentered:Condition1
                                                          0.056186
                                                                     0.023330
## GenderRatingCentered:AccomplishedCentered:Condition2 -0.009309
                                                                     0.029285
##
                                                           z value Pr(>|z|)
## (Intercept)
                                                         -3.096102
                                                                      0.002
## GenderRatingCentered
                                                         16.815545
                                                                      0.000
## AccomplishedCentered
                                                          2.471823
                                                                      0.013
## Condition1
                                                          2.045905
                                                                      0.041
## Condition2
                                                          1.087224
                                                                      0.277
## GenderRatingCentered:AccomplishedCentered
                                                          9.224136
                                                                      0.000
## GenderRatingCentered:Condition1
                                                                      0.000
                                                          3.584509
## GenderRatingCentered:Condition2
                                                         -2.342047
                                                                      0.019
                                                          0.321345
## AccomplishedCentered:Condition1
                                                                      0.748
```

```
## AccomplishedCentered:Condition2
                                                         1.700743
                                                                     0.089
## GenderRatingCentered:AccomplishedCentered:Condition1
                                                        2.408265
                                                                     0.016
## GenderRatingCentered:AccomplishedCentered:Condition2 -0.317879
                                                                     0.751
##
                                                        Pr(>|t|)
## (Intercept)
                                                        0.001961 **
## GenderRatingCentered
                                                         < 2e-16 ***
## AccomplishedCentered
                                                        0.013443 *
## Condition1
                                                        0.040766 *
## Condition2
                                                        0.276938
## GenderRatingCentered:AccomplishedCentered
                                                         < 2e-16 ***
## GenderRatingCentered:Condition1
                                                        0.000338 ***
## GenderRatingCentered:Condition2
                                                        0.019178 *
## AccomplishedCentered:Condition1
                                                        0.747949
                                                        0.088991 .
## AccomplishedCentered:Condition2
## GenderRatingCentered:AccomplishedCentered:Condition1 0.016029 *
## GenderRatingCentered:AccomplishedCentered:Condition2 0.750576
##
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Correlation of Fixed Effects:
##
               (Intr) GndrRC AccmpC Cndtn1 Cndtn2 GnRC:AC GRC:C1 GRC:C2 AcC:C1
## GndrRtngCnt -0.029
## AccmplshdCn 0.039 -0.008
## Condition1
               0.015 -0.001 -0.009
## Condition2 -0.013 0.013 -0.004 -0.020
## GndrRtnC:AC -0.006 0.074 -0.124 -0.010
## GndrRtnC:C1 0.001 0.037 -0.009 -0.135 0.021
## GndrRtnC:C2 0.012 -0.029 0.015 0.021 -0.125 -0.027
                                                          -0.047
## AccmplsC:C1 -0.001 -0.005 0.084
                                   0.103 -0.002 0.003
                                                         -0.012 0.010
## AccmplsC:C2 -0.004 0.009 -0.063 0.000 0.079
                                                  0.032
                                                          0.010 -0.024 -0.044
## GndRC:AC:C1 -0.005 0.012 0.003 -0.013 0.011
                                                  0.128
                                                           0.177 -0.019 -0.141
## GndRC:AC:C2 0.008 -0.015 0.032 0.009 -0.025 -0.090
                                                         -0.017 0.175 0.024
##
               AcC:C2 GRC:AC:C1
## GndrRtngCnt
## AccmplshdCn
## Condition1
## Condition2
## GndrRtnC:AC
## GndrRtnC:C1
## GndrRtnC:C2
## AccmplsC:C1
## AccmplsC:C2
## GndRC:AC:C1 0.025
## GndRC:AC:C2 -0.120 -0.065
```

- Characters who were rated more Accomplished were more likely to be recalled as female, but this is n.s. after correction for multiple comparisons.
- Interaction with Name Gender Rating: stronger effect of Accomplishment rating for more feminine
- Interaction between Condition (L vs F+F), Name Gender Rating, and Accomplishment: n.s. after correction for multiple comparisons

Importance

Summary statistics:

```
summary(exp4_d$Important)
                               Mean 3rd Qu.
##
      Min. 1st Qu. Median
                                                Max.
##
     1.000
             2.000
                      3.000
                              2.849
                                      4.000
                                               7.000
summary(exp4_d$ImportantFlip)
##
      Min. 1st Qu.
                    Median
                               Mean 3rd Qu.
                                                Max.
##
     1.000
             4.000
                      5.000
                              5.151
                                      6.000
                                               7.000
sd(exp4_d$Important)
## [1] 1.461433
```

Does the Importance rating of the character predict how likely the character is to be recalled as female, as opposed to male or other? The maximal model includes random intercepts by item, but not by participant.

```
## Generalized linear mixed model fit by maximum likelihood (Laplace
     Approximation) (p-values based on Wald z-scores) [glmerMod]
  Family: binomial (logit)
##
## Formula:
## Female ~ 1 + GenderRatingCentered + Condition + GenderRatingCentered:Condition +
       ImportantCentered + GenderRatingCentered:ImportantCentered +
##
       Condition:ImportantCentered + GenderRatingCentered:Condition:ImportantCentered +
##
##
       (1 | Item) + (1 | Participant)
##
      Data: exp4_d
##
##
        AIC
                 BIC
                       logLik deviance df.resid
##
     9110.1
              9209.2 -4541.1
                                9082.1
                                           8757
##
## Scaled residuals:
                1Q Median
                                ЗQ
##
                                       Max
## -3.4350 -0.5792 -0.2520 0.5759 5.9606
##
## Random effects:
## Groups
                            Variance Std.Dev.
                Name
## Participant (Intercept) 0.2046
                                     0.4523
                (Intercept) 0.3583
                                     0.5986
## Number of obs: 8771, groups: Participant, 1253; Item, 63
```

```
##
## Fixed effects:
                                                      Estimate Std. Error
##
## (Intercept)
                                                     -0.248892
                                                                 0.081537
## GenderRatingCentered
                                                      0.772461
                                                                 0.045917
## Condition1
                                                      0.125461 0.062103
## Condition2
                                                      0.080003
                                                                 0.072921
                                                                 0.019744
## ImportantCentered
                                                      0.009608
## GenderRatingCentered:Condition1
                                                      0.133316
                                                                 0.034991
## GenderRatingCentered:Condition2
                                                     -0.098327
                                                                 0.042671
## GenderRatingCentered:ImportantCentered
                                                      0.077709
                                                                 0.011593
## Condition1:ImportantCentered
                                                      0.009942
                                                                 0.039430
## Condition2:ImportantCentered
                                                      0.076855
                                                                 0.046679
## GenderRatingCentered:Condition1:ImportantCentered
                                                      0.016059
                                                                 0.023112
## GenderRatingCentered:Condition2:ImportantCentered -0.008253
                                                                 0.028272
##
                                                       z value Pr(>|z|) Pr(>|t|)
## (Intercept)
                                                     -3.052491
                                                                  0.002 0.002270
## GenderRatingCentered
                                                     16.823044
                                                                  0.000 < 2e-16
                                                                  0.043 0.043360
## Condition1
                                                      2.020222
## Condition2
                                                      1.097125
                                                                  0.273 0.272587
## ImportantCentered
                                                      0.486630
                                                                  0.627 0.626520
## GenderRatingCentered:Condition1
                                                      3.809969
                                                                  0.000 0.000139
## GenderRatingCentered:Condition2
                                                                  0.021 0.021207
                                                     -2.304278
## GenderRatingCentered:ImportantCentered
                                                      6.702869
                                                                  0.000 2.04e-11
## Condition1:ImportantCentered
                                                      0.252137
                                                                  0.801 0.800935
## Condition2:ImportantCentered
                                                      1.646454
                                                                  0.100 0.099670
## GenderRatingCentered:Condition1:ImportantCentered 0.694852
                                                                  0.487 0.487148
## GenderRatingCentered:Condition2:ImportantCentered -0.291910
                                                                  0.770 0.770355
##
## (Intercept)
                                                     **
## GenderRatingCentered
                                                     ***
## Condition1
## Condition2
## ImportantCentered
## GenderRatingCentered:Condition1
## GenderRatingCentered:Condition2
## GenderRatingCentered: ImportantCentered
## Condition1:ImportantCentered
## Condition2:ImportantCentered
## GenderRatingCentered:Condition1:ImportantCentered
## GenderRatingCentered:Condition2:ImportantCentered
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1
##
## Correlation of Fixed Effects:
               (Intr) GndrRC Cndtn1 Cndtn2 ImprtC GnRC:C1 GnRC:C2 GRC:IC Cn1:IC
##
## GndrRtngCnt -0.028
## Condition1
              0.012 0.002
## Condition2 -0.011 0.013 -0.014
## ImprtntCntr 0.025 -0.001 -0.006 0.013
## GndrRtnC:C1 0.001 0.036 -0.118 0.019 -0.008
## GndrRtnC:C2 0.012 -0.029 0.019 -0.109 0.023 -0.044
## GndrRtnC:IC 0.002 0.060 -0.005 0.021 -0.103 0.023 -0.007
## Cndtn1:ImpC -0.001 -0.003 0.069 0.010 0.043 0.005
```

```
## Cndtn2:ImpC 0.004 0.007 0.010 0.056 -0.070 0.015 -0.004
                                                                 0.020 -0.051
## GndRC:C1:IC -0.002 0.010 0.002 0.015 -0.002 0.125 -0.005
                                                                 0.087 -0.091
## GndRC:C2:IC 0.010 -0.002 0.015 -0.005 0.021 -0.002
                                                         0.135 -0.100 0.019
              Cn2:IC GRC:C1:
##
## GndrRtngCnt
## Condition1
## Condition2
## ImprtntCntr
## GndrRtnC:C1
## GndrRtnC:C2
## GndrRtnC:IC
## Cndtn1:ImpC
## Cndtn2:ImpC
## GndRC:C1:IC 0.019
## GndRC:C2:IC -0.087 -0.074
```

- No main effect of Importance like there was for other ratings
- Interaction with Name Gender Rating: stronger effect of Importance rating for more feminine names

All Ratings

-2.3770 -0.9161 -0.3499

```
##
## Call:
   stats::glm(formula = Female ~ 1 + GenderRatingCentered + LikeableCentered +
##
       GenderRatingCentered:LikeableCentered + ImportantCentered +
       GenderRatingCentered:ImportantCentered + Condition + GenderRatingCentered:Condition +
##
##
       LikeableCentered:Condition + AccomplishedCentered + GenderRatingCentered:AccomplishedCentered +
##
       LikeableCentered:ImportantCentered + GenderRatingCentered:LikeableCentered:ImportantCentered +
       ImportantCentered:AccomplishedCentered + GenderRatingCentered:ImportantCentered:AccomplishedCent
##
       GenderRatingCentered:LikeableCentered:Condition + ImportantCentered:Condition +
##
       GenderRatingCentered:ImportantCentered:Condition + LikeableCentered:AccomplishedCentered +
##
##
       GenderRatingCentered:LikeableCentered:AccomplishedCentered +
##
       Condition: AccomplishedCentered + GenderRatingCentered: Condition: AccomplishedCentered +
##
       ImportantCentered:Condition:AccomplishedCentered + GenderRatingCentered:ImportantCentered:Condit
       LikeableCentered:Condition:AccomplishedCentered + Condition:GenderRatingCentered:LikeableCentere
##
       family = binomial, data = exp4_d)
##
##
##
  Deviance Residuals:
##
                      Median
                                   30
       Min
                 10
                                           Max
```

2.8421

0.8465

##	O. official and a	
	Coefficients:	Estimata
##	(Intercent)	Estimate -0.2436855
	(Intercept) GenderRatingCentered	0.7867109
	LikeableCentered	0.1753245
##	ImportantCentered	-0.1243906
	Condition1	0.0546047
	Condition2	0.1224594
	AccomplishedCentered	0.0175409
	GenderRatingCentered:LikeableCentered	0.0254422
	GenderRatingCentered:ImportantCentered	-0.0075429
	GenderRatingCentered:Condition1	0.1201243
	GenderRatingCentered:Condition2	-0.1203884
	LikeableCentered:Condition1	0.0737555
##	LikeableCentered:Condition2	0.0282570
##	GenderRatingCentered:AccomplishedCentered	0.0535506
	LikeableCentered:ImportantCentered	-0.0208632
##	ImportantCentered:AccomplishedCentered	0.0238197
##	ImportantCentered:Condition1	-0.0126238
##	ImportantCentered:Condition2	0.0377004
##	LikeableCentered:AccomplishedCentered	0.0007527
	Condition1:AccomplishedCentered	0.0105072
##	Condition2:AccomplishedCentered	-0.0095296
##	GenderRatingCentered:LikeableCentered:ImportantCentered	-0.0228078
##	GenderRatingCentered:ImportantCentered:AccomplishedCentered	0.0080569
##	GenderRatingCentered:LikeableCentered:Condition1	-0.0579677
##	GenderRatingCentered:LikeableCentered:Condition2	0.0312229
##	GenderRatingCentered:ImportantCentered:Condition1	0.0154673
##	GenderRatingCentered:ImportantCentered:Condition2	-0.0232365
	GenderRatingCentered:LikeableCentered:AccomplishedCentered	-0.0239720
	GenderRatingCentered:Condition1:AccomplishedCentered	0.0713617
##	GenderRatingCentered:Condition2:AccomplishedCentered	0.0114428
##	ImportantCentered:Condition1:AccomplishedCentered	0.0315046
	ImportantCentered:Condition2:AccomplishedCentered	-0.0933656
	LikeableCentered:Condition1:AccomplishedCentered	0.0082793
	LikeableCentered:Condition2:AccomplishedCentered	0.0310236
	GenderRatingCentered:ImportantCentered:Condition1:AccomplishedCentered	0.0941402
	GenderRatingCentered:LikeableCentered:Condition1:AccomplishedCentered	-0.0967343
	${\tt GenderRatingCentered:LikeableCentered:Condition2:AccomplishedCentered}$	0.0358207
##	(T-++)	Std. Error
##	(Intercept)	0.0306003
	GenderRatingCentered LikeableCentered	0.0207583 0.0271209
	ImportantCentered	0.0271209
	Condition1	0.0233170
	Condition2	0.0020010
	AccomplishedCentered	0.0753610
	GenderRatingCentered:LikeableCentered	0.0207222
	GenderRatingCentered: ImportantCentered	0.0103001
	GenderRatingCentered:Condition1	0.0170054
	GenderRatingCentered:Condition2	0.0508339
	LikeableCentered:Condition1	0.0563496

	LikeableCentered:Condition2	0.0668492
	GenderRatingCentered:AccomplishedCentered	0.0184665
##	LikeableCentered:ImportantCentered	0.0164631
##	ImportantCentered:AccomplishedCentered	0.0171982
##	ImportantCentered:Condition1	0.0541677
##	ImportantCentered:Condition2	0.0611618
	LikeableCentered:AccomplishedCentered	0.0174493
	Condition1:AccomplishedCentered	0.0557269
	Condition2:AccomplishedCentered	0.0647298
	GenderRatingCentered:LikeableCentered:ImportantCentered	0.0109564
	GenderRatingCentered:ImportantCentered:AccomplishedCentered	0.0112377
	GenderRatingCentered:LikeableCentered:Condition1	0.0373118
	GenderRatingCentered:LikeableCentered:Condition2	0.0461208
	GenderRatingCentered:ImportantCentered:Condition1	0.0372492
	GenderRatingCentered:ImportantCentered:Condition2	0.0430358
	GenderRatingCentered:LikeableCentered:AccomplishedCentered	0.0114055
##	GenderRatingCentered:Condition1:AccomplishedCentered	0.0373350
##	GenderRatingCentered:Condition2:AccomplishedCentered	0.0452833
	ImportantCentered:Condition1:AccomplishedCentered	0.0337329
	ImportantCentered:Condition2:AccomplishedCentered	0.0396748
	LikeableCentered:Condition1:AccomplishedCentered	0.0335969
##	LikeableCentered:Condition2:AccomplishedCentered	0.0395574
	${\tt GenderRatingCentered:ImportantCentered:Condition1:AccomplishedCentered}$	0.0214593
	${\tt GenderRatingCentered:ImportantCentered:Condition2:AccomplishedCentered}$	0.0261129
	GenderRatingCentered:LikeableCentered:Condition1:AccomplishedCentered	0.0213006
##	GenderRatingCentered:LikeableCentered:Condition2:AccomplishedCentered	0.0263738
##		z value
##	/T	
	(Intercept)	-7.964
##	GenderRatingCentered	37.899
## ##	GenderRatingCentered LikeableCentered	37.899 6.465
## ## ##	GenderRatingCentered LikeableCentered ImportantCentered	37.899 6.465 -4.913
## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1	37.899 6.465 -4.913 0.881
## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2	37.899 6.465 -4.913 0.881 1.664
## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered	37.899 6.465 -4.913 0.881 1.664 0.656
## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385
## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427
## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889
## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368
## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309
## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:Condition2	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423
## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900
## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:Condition2 LikeableCentered:Condition2	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267
## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered ImportantCentered:AccomplishedCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385
## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition1 LikeableCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:AccomplishedCentered ImportantCentered:AccomplishedCentered ImportantCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233
## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered ImportantCentered:ImportantCentered ImportantCentered:Condition1 ImportantCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616
## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered ImportantCentered:AccomplishedCentered ImportantCentered:Condition1 ImportantCentered:Condition1 ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:AccomplishedCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043
## ## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:TmportantCentered LikeableCentered:AccomplishedCentered LikeableCentered:AccomplishedCentered ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:AccomplishedCentered Condition1:AccomplishedCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189
## ## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered ImportantCentered:AccomplishedCentered ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:AccomplishedCentered ImportantCentered:Condition1 LikeableCentered:AccomplishedCentered Condition1:AccomplishedCentered Condition2:AccomplishedCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189 -0.147
## ## ## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered ImportantCentered:AccomplishedCentered ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition1 ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:AccomplishedCentered Condition1:AccomplishedCentered Condition2:AccomplishedCentered GenderRatingCentered:LikeableCentered:ImportantCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189 -0.147 -2.082
## ## ## ## ## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered LikeableCentered:AccomplishedCentered LimportantCentered:Condition1 ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition1 ImportantCentered:Condition1 Condition1:AccomplishedCentered Condition1:AccomplishedCentered Condition2:AccomplishedCentered GenderRatingCentered:LikeableCentered:ImportantCentered GenderRatingCentered:ImportantCentered	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189 -0.147 -2.082 0.717
## ## ## ## ## ## ## ## ## ## ## ## ##	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered LikeableCentered:ImportantCentered ImportantCentered:AccomplishedCentered ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:AccomplishedCentered Condition1:AccomplishedCentered Condition2:AccomplishedCentered GenderRatingCentered:LikeableCentered:AccomplishedCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:LikeableCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189 -0.147 -2.082 0.717 -1.554
######################################	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:AccomplishedCentered ImportantCentered ImportantCentered ImportantCentered:ImportantCentered ImportantCentered:Condition1 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:Condition1 ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:AccomplishedCentered Condition1:AccomplishedCentered Condition2:AccomplishedCentered GenderRatingCentered:LikeableCentered:ImportantCentered GenderRatingCentered:LikeableCentered:Condition1 GenderRatingCentered:LikeableCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189 -0.147 -2.082 0.717 -1.554 0.677
######################################	GenderRatingCentered LikeableCentered ImportantCentered Condition1 Condition2 AccomplishedCentered GenderRatingCentered:LikeableCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:Condition1 GenderRatingCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition2 GenderRatingCentered:AccomplishedCentered LikeableCentered:ImportantCentered LikeableCentered:ImportantCentered ImportantCentered:AccomplishedCentered ImportantCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:Condition2 LikeableCentered:Condition1 ImportantCentered:Condition2 LikeableCentered:AccomplishedCentered Condition1:AccomplishedCentered Condition2:AccomplishedCentered GenderRatingCentered:LikeableCentered:AccomplishedCentered GenderRatingCentered:ImportantCentered GenderRatingCentered:LikeableCentered:Condition1	37.899 6.465 -4.913 0.881 1.664 0.656 1.385 -0.427 2.889 -2.368 1.309 0.423 2.900 -1.267 1.385 -0.233 0.616 0.043 0.189 -0.147 -2.082 0.717 -1.554

	GenderRatingCentered:LikeableCentered:AccomplishedCentered	-2.102
	GenderRatingCentered:Condition1:AccomplishedCentered	1.911
##		0.253
##	ImportantCentered:Condition1:AccomplishedCentered	0.934
##	ImportantCentered:Condition2:AccomplishedCentered	-2.353
	LikeableCentered:Condition1:AccomplishedCentered	0.246
	LikeableCentered:Condition2:AccomplishedCentered	0.784
	GenderRatingCentered:ImportantCentered:Condition1:AccomplishedCentered	4.387
##		-1.276
	GenderRatingCentered:LikeableCentered:Condition1:AccomplishedCentered	-4.541
	${\tt GenderRatingCentered:LikeableCentered:Condition 2:AccomplishedCentered}$	1.358
##		Pr(> z)
##	(Intercept)	1.67e-15
	GenderRatingCentered	< 2e-16
	LikeableCentered	1.02e-10
	ImportantCentered	8.95e-07
	Condition1	0.37848
	Condition2	0.09606
	AccomplishedCentered	0.51156
	GenderRatingCentered:LikeableCentered	0.16597
	GenderRatingCentered:ImportantCentered	0.66935
	GenderRatingCentered:Condition1	0.00386
	GenderRatingCentered:Condition2	0.01787
	LikeableCentered:Condition1	0.19057
	LikeableCentered:Condition2	0.67252
	GenderRatingCentered:AccomplishedCentered	0.00373
	LikeableCentered:ImportantCentered	0.20506
	ImportantCentered:AccomplishedCentered	0.16605
	ImportantCentered:Condition1	0.81572
	ImportantCentered:Condition2	0.53763
	LikeableCentered:AccomplishedCentered	0.96559
	Condition1:AccomplishedCentered	0.85045
	Condition2:AccomplishedCentered	0.88296
	GenderRatingCentered:LikeableCentered:ImportantCentered	0.03737
	GenderRatingCentered:ImportantCentered:AccomplishedCentered	0.47340
	GenderRatingCentered:LikeableCentered:Condition1	0.12028
	GenderRatingCentered:LikeableCentered:Condition2	0.49842
	GenderRatingCentered:ImportantCentered:Condition1	0.67797
##	GenderRatingCentered:ImportantCentered:Condition2	0.58924
##	GenderRatingCentered:LikeableCentered:AccomplishedCentered	0.03557
##	GenderRatingCentered:Condition1:AccomplishedCentered	0.05595
##	GenderRatingCentered:Condition2:AccomplishedCentered	0.80051
##	ImportantCentered:Condition1:AccomplishedCentered	0.35033
##	ImportantCentered:Condition2:AccomplishedCentered	0.01861
	LikeableCentered:Condition1:AccomplishedCentered	0.80535
	LikeableCentered:Condition2:AccomplishedCentered	0.43288
##	GenderRatingCentered:ImportantCentered:Condition1:AccomplishedCentered	
##	GenderRatingCentered:ImportantCentered:Condition2:AccomplishedCentered	0.20199
##	GenderRatingCentered:LikeableCentered:Condition1:AccomplishedCentered	5.59e-06
##	${\tt GenderRatingCentered:LikeableCentered:Condition2:AccomplishedCentered}$	0.17440
##		
##	(Intercept)	***
	GenderRatingCentered	***
##	LikeableCentered	***

```
## ImportantCentered
## Condition1
## Condition2
## AccomplishedCentered
## GenderRatingCentered:LikeableCentered
## GenderRatingCentered:ImportantCentered
## GenderRatingCentered:Condition1
## GenderRatingCentered:Condition2
## LikeableCentered:Condition1
## LikeableCentered:Condition2
## GenderRatingCentered:AccomplishedCentered
## LikeableCentered:ImportantCentered
## ImportantCentered:AccomplishedCentered
## ImportantCentered:Condition1
## ImportantCentered:Condition2
## LikeableCentered:AccomplishedCentered
## Condition1:AccomplishedCentered
## Condition2:AccomplishedCentered
## GenderRatingCentered:LikeableCentered:ImportantCentered
## GenderRatingCentered:ImportantCentered:AccomplishedCentered
## GenderRatingCentered:LikeableCentered:Condition1
## GenderRatingCentered:LikeableCentered:Condition2
## GenderRatingCentered:ImportantCentered:Condition1
## GenderRatingCentered:ImportantCentered:Condition2
## GenderRatingCentered:LikeableCentered:AccomplishedCentered
## GenderRatingCentered:Condition1:AccomplishedCentered
## GenderRatingCentered:Condition2:AccomplishedCentered
## ImportantCentered:Condition1:AccomplishedCentered
## ImportantCentered:Condition2:AccomplishedCentered
## LikeableCentered:Condition1:AccomplishedCentered
## LikeableCentered:Condition2:AccomplishedCentered
## GenderRatingCentered:ImportantCentered:Condition1:AccomplishedCentered ***
## GenderRatingCentered:ImportantCentered:Condition2:AccomplishedCentered
## GenderRatingCentered:LikeableCentered:Condition1:AccomplishedCentered
## GenderRatingCentered:LikeableCentered:Condition2:AccomplishedCentered
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
       Null deviance: 12108.7 on 8770 degrees of freedom
##
## Residual deviance: 9291.9 on 8733 degrees of freedom
## AIC: 9367.9
##
## Number of Fisher Scoring iterations: 5
```