# Appendix 2

*Complete results.*

```
Experiment 1


Reference Level: AN 's AN

              Estimate Std. Error z value Pr(>|z|)
(Intercept)      6.680      1.970   3.390 0.000698 ***
SYNSEMAN of AN  -13.375     3.192  -4.190 2.78e-05 ***
SYNSEMAN of IN  -13.768     3.346  -4.114 3.88e-05 ***
SYNSEMAN's IN    -1.784     1.660  -1.074 0.282625
SYNSEMIN 's AN   -1.582     1.685  -0.939 0.347763
SYNSEMIN 's IN   -1.642     1.623  -1.011 0.311848
SYNSEMIN of AN  -10.940     2.720  -4.023 5.75e-05 ***
SYNSEMIN of IN  -12.360     3.031  -4.078 4.54e-05 ***


Reference Level: AN of AN

                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                 -6.6948     1.9961  -3.354 0.000797 ***
relevel(SYNSEM, ref = "AN of AN")AN 's AN   13.3748     3.1916   4.191 2.78e-05 ***
relevel(SYNSEM, ref = "AN of AN")AN of IN   -0.3927     1.9298  -0.203 0.838745
relevel(SYNSEM, ref = "AN of AN")AN's IN    11.5909     2.8382   4.084 4.43e-05 ***
relevel(SYNSEM, ref = "AN of AN")IN 's AN   11.7930     2.8681   4.112 3.93e-05 ***
relevel(SYNSEM, ref = "AN of AN")IN 's IN   11.7333     2.9161   4.024 5.73e-05 ***
relevel(SYNSEM, ref = "AN of AN")IN of AN    2.4344     1.6604   1.466 0.142604
relevel(SYNSEM, ref = "AN of AN")IN of IN    1.0147     1.6815   0.603 0.546217


Reference Level: IN 's IN

                                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  5.03851    1.59425   3.160 0.001575 **
relevel(SYNSEM, ref = "IN 's IN")AN 's AN    1.64151    1.62307   1.011 0.311842
relevel(SYNSEM, ref = "IN 's IN")AN of AN  -11.73333    2.91593  -4.024 5.73e-05 ***
relevel(SYNSEM, ref = "IN 's IN")AN of IN  -12.12604    3.07769  -3.940 8.15e-05 ***
relevel(SYNSEM, ref = "IN 's IN")AN's IN    -0.14247    1.30158  -0.109 0.912840
relevel(SYNSEM, ref = "IN 's IN")IN 's AN    0.05967    1.33743   0.045 0.964415
relevel(SYNSEM, ref = "IN 's IN")IN of AN   -9.29890    2.41382  -3.852 0.000117 ***
relevel(SYNSEM, ref = "IN 's IN")IN of IN  -10.71863    2.74392  -3.906 9.37e-05 ***


Reference Level: IN of IN

                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                 -5.680      1.772  -3.206  0.00135 **
relevel(SYNSEM, ref = "IN of IN")AN 's AN   12.360      3.031   4.079 4.53e-05 ***
relevel(SYNSEM, ref = "IN of IN")AN of AN   -1.015      1.682  -0.603  0.54622
relevel(SYNSEM, ref = "IN of IN")AN of IN   -1.407      1.736  -0.811  0.41758
relevel(SYNSEM, ref = "IN of IN")AN's IN    10.576      2.666   3.967 7.28e-05 ***
relevel(SYNSEM, ref = "IN of IN")IN 's AN   10.778      2.695   3.999 6.37e-05 ***
relevel(SYNSEM, ref = "IN of IN")IN 's IN   10.719      2.744   3.907 9.36e-05 ***
relevel(SYNSEM, ref = "IN of IN")IN of AN    1.420      1.435   0.989  0.32263


Reference Level: IN 's AN

                                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  5.09818    1.58024   3.226  0.00125 **
relevel(SYNSEM, ref = "IN 's AN")AN 's AN    1.58185    1.68472   0.939  0.34776
relevel(SYNSEM, ref = "IN 's AN")AN of AN  -11.79299    2.86829  -4.112 3.93e-05 ***
relevel(SYNSEM, ref = "IN 's AN")AN of IN  -12.18571    3.02834  -4.024 5.72e-05 ***
relevel(SYNSEM, ref = "IN 's AN")AN's IN    -0.20214    1.35510  -0.149  0.88142
relevel(SYNSEM, ref = "IN 's AN")IN 's IN   -0.05967    1.33748  -0.045  0.96442
relevel(SYNSEM, ref = "IN 's AN")IN of AN   -9.35857    2.37098  -3.947 7.91e-05 ***
relevel(SYNSEM, ref = "IN 's AN")IN of IN  -10.77830    2.69598  -3.998 6.39e-05 ***
```

Reference Level: IN of AN

```
                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  -4.260     1.467  -2.905 0.003672 **
relevel(SYNSEM, ref = "IN of AN")AN 's AN    10.940     2.719   4.023 5.75e-05 ***
relevel(SYNSEM, ref = "IN of AN")AN of AN    -2.434     1.660  -1.466 0.142607
relevel(SYNSEM, ref = "IN of AN")AN of IN    -2.827     1.790  -1.579 0.114223
relevel(SYNSEM, ref = "IN of AN")AN's IN      9.156     2.342   3.910 9.24e-05 ***
relevel(SYNSEM, ref = "IN of AN")IN 's AN      9.359     2.371   3.947 7.91e-05 ***
relevel(SYNSEM, ref = "IN of AN")IN 's IN      9.299     2.414   3.852 0.000117 ***
relevel(SYNSEM, ref = "IN of AN")IN of IN     -1.420     1.436  -0.989 0.322657
```

Experiment 2

Reference Level: AN 's AN

```
                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                   3.8078    0.7972   4.777 1.78e-06 ***
relevel(SYNSEM, ref = "AN 's AN")AN 's IN    -1.1382    0.9084  -1.253   0.2102
relevel(SYNSEM, ref = "AN 's AN")AN of AN    -5.4385    0.9178  -5.925 3.12e-09 ***
relevel(SYNSEM, ref = "AN 's AN")AN of IN    -7.6776    1.0928  -7.026 2.13e-12 ***
relevel(SYNSEM, ref = "AN 's AN")IN 's AN    -1.9056    0.8785  -2.169   0.0301 *
relevel(SYNSEM, ref = "AN 's AN")IN 's IN    -1.4194    0.9065  -1.566   0.1174
relevel(SYNSEM, ref = "AN 's AN")IN of AN    -5.8906    0.9290  -6.341 2.28e-10 ***
relevel(SYNSEM, ref = "AN 's AN")IN of IN    -9.0094    1.3758  -6.548 5.82e-11 ***
```

Reference Level: AN of AN

```
                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  -1.6307    0.5226  -3.121  0.00181 **
relevel(SYNSEM, ref = "AN of AN")AN 's AN     5.4385    0.9179   5.925 3.12e-09 ***
relevel(SYNSEM, ref = "AN of AN")AN 's IN     4.3003    0.7618   5.645 1.66e-08 ***
relevel(SYNSEM, ref = "AN of AN")AN of IN    -2.2391    0.8433  -2.655  0.00792 **
relevel(SYNSEM, ref = "AN of AN")IN 's AN     3.5329    0.7003   5.045 4.53e-07 ***
relevel(SYNSEM, ref = "AN of AN")IN 's IN     4.0191    0.7455   5.391 6.99e-08 ***
relevel(SYNSEM, ref = "AN of AN")IN of AN    -0.4521    0.6569  -0.688  0.49132
relevel(SYNSEM, ref = "AN of AN")IN of IN    -3.5709    1.1760  -3.037  0.00239 **
```

Reference Level: IN 's IN

```
                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                   2.3884    0.6019   3.968 7.24e-05 ***
relevel(SYNSEM, ref = "IN 's IN")AN 's AN     1.4194    0.9065   1.566    0.117
relevel(SYNSEM, ref = "IN 's IN")AN 's IN     0.2811    0.7585   0.371    0.711
relevel(SYNSEM, ref = "IN 's IN")AN of AN    -4.0191    0.7455  -5.391 6.99e-08 ***
relevel(SYNSEM, ref = "IN 's IN")AN of IN    -6.2583    0.9490  -6.595 4.26e-11 ***
relevel(SYNSEM, ref = "IN 's IN")IN 's AN    -0.4862    0.7117  -0.683    0.495
relevel(SYNSEM, ref = "IN 's IN")IN of AN    -4.4712    0.7596  -5.886 3.95e-09 ***
relevel(SYNSEM, ref = "IN 's IN")IN of IN    -7.5900    1.2630  -6.009 1.86e-09 ***
```

Reference Level: IN of IN

```
                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  -5.202     1.130  -4.603 4.17e-06 ***
relevel(SYNSEM, ref = "IN of IN")AN 's AN     9.009     1.376   6.548 5.82e-11 ***
relevel(SYNSEM, ref = "IN of IN")AN 's IN     7.871     1.274   6.178 6.47e-10 ***
relevel(SYNSEM, ref = "IN of IN")AN of AN     3.571     1.176   3.037  0.00239 **
relevel(SYNSEM, ref = "IN of IN")AN of IN     1.332     1.289   1.033  0.30154
relevel(SYNSEM, ref = "IN of IN")IN 's AN     7.104     1.235   5.750 8.94e-09 ***
relevel(SYNSEM, ref = "IN of IN")IN 's IN     7.590     1.263   6.010 1.86e-09 ***
relevel(SYNSEM, ref = "IN of IN")IN of AN     3.119     1.188   2.624  0.00869 **
```

```
Reference Level: AN 's IN

                                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                                   2.6695     0.6166   4.329 1.50e-05 ***
relevel(SYNSEM, ref = "AN 's IN")AN 's AN     1.1382     0.9084   1.253    0.210
relevel(SYNSEM, ref = "AN 's IN")AN of AN    -4.3003     0.7618  -5.645 1.65e-08 ***
relevel(SYNSEM, ref = "AN 's IN")AN of IN    -6.5394     0.9633  -6.788 1.13e-11 ***
relevel(SYNSEM, ref = "AN 's IN")IN 's AN    -0.7674     0.7236  -1.060    0.289
relevel(SYNSEM, ref = "AN 's IN")IN 's IN    -0.2811     0.7584  -0.371    0.711
relevel(SYNSEM, ref = "AN 's IN")IN of AN    -4.7524     0.7755  -6.128 8.88e-10 ***
relevel(SYNSEM, ref = "AN 's IN")IN of IN    -7.8711     1.2740  -6.178 6.47e-10 ***


Reference Level: AN of IN

                                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  -3.8698     0.7723  -5.011 5.42e-07 ***
relevel(SYNSEM, ref = "AN of IN")AN 's AN     7.6776     1.0928   7.026 2.13e-12 ***
relevel(SYNSEM, ref = "AN of IN")AN 's IN     6.5394     0.9633   6.788 1.13e-11 ***
relevel(SYNSEM, ref = "AN of IN")AN of AN     2.2391     0.8432   2.655  0.00792 **
relevel(SYNSEM, ref = "AN of IN")IN 's AN     5.7720     0.9127   6.324 2.54e-10 ***
relevel(SYNSEM, ref = "AN of IN")IN 's IN     6.2583     0.9490   6.595 4.26e-11 ***
relevel(SYNSEM, ref = "AN of IN")IN of AN     1.7870     0.8593   2.080  0.03757 *
relevel(SYNSEM, ref = "AN of IN")IN of IN    -1.3318     1.2890  -1.033  0.30154



Reference Level: IN 's AN

                                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                                   1.9022     0.5496   3.461 0.000538 ***
relevel(SYNSEM, ref = "IN 's AN")AN 's AN     1.9056     0.8786   2.169 0.030083 *
relevel(SYNSEM, ref = "IN 's AN")AN 's IN     0.7674     0.7236   1.060 0.288948
relevel(SYNSEM, ref = "IN 's AN")AN of AN    -3.5329     0.7003  -5.045 4.53e-07 ***
relevel(SYNSEM, ref = "IN 's AN")AN of IN    -5.7720     0.9127  -6.324 2.55e-10 ***
relevel(SYNSEM, ref = "IN 's AN")IN 's IN     0.4862     0.7117   0.683 0.494505
relevel(SYNSEM, ref = "IN 's AN")IN of AN    -3.9850     0.7149  -5.574 2.48e-08 ***
relevel(SYNSEM, ref = "IN 's AN")IN of IN    -7.1038     1.2355  -5.750 8.94e-09 ***


Reference Level: IN of AN

                                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  -2.0828     0.5454  -3.819 0.000134 ***
relevel(SYNSEM, ref = "IN of AN")AN 's AN     5.8906     0.9290   6.341 2.29e-10 ***
relevel(SYNSEM, ref = "IN of AN")AN 's IN     4.7524     0.7755   6.128 8.89e-10 ***
relevel(SYNSEM, ref = "IN of AN")AN of AN     0.4521     0.6569   0.688 0.491314
relevel(SYNSEM, ref = "IN of AN")AN of IN    -1.7870     0.8593  -2.080 0.037569 *
relevel(SYNSEM, ref = "IN of AN")IN 's AN     3.9850     0.7149   5.575 2.48e-08 ***
relevel(SYNSEM, ref = "IN of AN")IN 's IN     4.4712     0.7596   5.886 3.95e-09 ***
relevel(SYNSEM, ref = "IN of AN")IN of IN    -3.1188     1.1885  -2.624 0.008686 **


Experiment 3

Reference Level: AN 's' AN

              Estimate Std. Error z value Pr(>|z|)
(Intercept)     2.6332     0.7169   3.673  0.00024 ***
SYNSEMAN 's IN -1.8951     0.7465  -2.538  0.01113 *
SYNSEMAN of AN -5.8364     0.9628  -6.062 1.34e-09 ***
SYNSEMAN of IN -6.6840     1.0916  -6.123 9.16e-10 ***
SYNSEMIN 's AN -1.0847     0.7504  -1.445  0.14833
SYNSEMIN 's IN -2.1142     0.7374  -2.867  0.00414 **
SYNSEMIN of AN -6.8294     1.1254  -6.069 1.29e-09 ***
SYNSEMIN of IN -7.5224     1.3376  -5.624 1.87e-08 ***
```

```
Reference Level: AN of AN

                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                              -3.2032     0.7881  -4.065 4.81e-05 ***
relevel(SYNSEM, ref = "AN of AN")AN 's AN  5.8364     0.9628   6.062 1.34e-09 ***
relevel(SYNSEM, ref = "AN of AN")AN 's IN  3.9414     0.8470   4.653 3.27e-06 ***
relevel(SYNSEM, ref = "AN of AN")AN of IN -0.8476     1.0428  -0.813    0.416
relevel(SYNSEM, ref = "AN of AN")IN 's AN  4.7517     0.8810   5.394 6.91e-08 ***
relevel(SYNSEM, ref = "AN of AN")IN 's IN  3.7222     0.8502   4.378 1.20e-05 ***
relevel(SYNSEM, ref = "AN of AN")IN of AN -0.9930     1.0648  -0.933    0.351
relevel(SYNSEM, ref = "AN of AN")IN of IN -1.6860     1.2716  -1.326    0.185


Reference Level: IN 's IN

                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                               0.5190     0.5948   0.872  0.38295
relevel(SYNSEM, ref = "IN 's IN")AN 's AN  2.1142     0.7374   2.867  0.00414 **
relevel(SYNSEM, ref = "IN 's IN")AN 's IN  0.2191     0.6405   0.342  0.73225
relevel(SYNSEM, ref = "IN 's IN")AN of AN -3.7222     0.8502  -4.378 1.20e-05 ***
relevel(SYNSEM, ref = "IN 's IN")AN of IN -4.5698     0.9902  -4.615 3.93e-06 ***
relevel(SYNSEM, ref = "IN 's IN")IN 's AN  1.0295     0.6559   1.570  0.11653
relevel(SYNSEM, ref = "IN 's IN")IN of AN -4.7152     1.0244  -4.603 4.16e-06 ***
relevel(SYNSEM, ref = "IN 's IN")IN of IN -5.4082     1.2525  -4.318 1.57e-05 ***


Reference Level: IN of IN

                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                              -4.8893     1.2014  -4.070 4.71e-05 ***
relevel(SYNSEM, ref = "IN of IN")AN 's AN  7.5224     1.3376   5.624 1.87e-08 ***
relevel(SYNSEM, ref = "IN of IN")AN 's IN  5.6274     1.2511   4.498 6.86e-06 ***
relevel(SYNSEM, ref = "IN of IN")AN of AN  1.6860     1.2715   1.326    0.185
relevel(SYNSEM, ref = "IN of IN")AN of IN  0.8385     1.3722   0.611    0.541
relevel(SYNSEM, ref = "IN of IN")IN 's AN  6.4377     1.2766   5.043 4.58e-07 ***
relevel(SYNSEM, ref = "IN of IN")IN 's IN  5.4082     1.2524   4.318 1.57e-05 ***
relevel(SYNSEM, ref = "IN of IN")IN of AN  0.6931     1.3702   0.506    0.613

Reference Level: AN 's IN

                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                               0.7381     0.5999   1.230   0.2185
relevel(SYNSEM, ref = "AN 's IN")AN 's AN  1.8951     0.7466   2.538   0.0111 *
relevel(SYNSEM, ref = "AN 's IN")AN of AN -3.9414     0.8470  -4.653 3.27e-06 ***
relevel(SYNSEM, ref = "AN 's IN")AN of IN -4.7889     0.9864  -4.855 1.20e-06 ***
relevel(SYNSEM, ref = "AN 's IN")IN 's AN  0.8103     0.6643   1.220   0.2225
relevel(SYNSEM, ref = "AN 's IN")IN 's IN -0.2191     0.6405  -0.342   0.7323
relevel(SYNSEM, ref = "AN 's IN")IN of AN -4.9343     1.0201  -4.837 1.32e-06 ***
relevel(SYNSEM, ref = "AN 's IN")IN of IN -5.6274     1.2512  -4.498 6.87e-06 ***


Reference Level: AN of IN

                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                              -4.0508     0.9376  -4.320 1.56e-05 ***
relevel(SYNSEM, ref = "AN of IN")AN 's AN  6.6840     1.0916   6.123 9.17e-10 ***
relevel(SYNSEM, ref = "AN of IN")AN 's IN  4.7889     0.9864   4.855 1.20e-06 ***
relevel(SYNSEM, ref = "AN of IN")AN of AN  0.8476     1.0428   0.813    0.416
relevel(SYNSEM, ref = "AN of IN")IN 's AN  5.5993     1.0174   5.504 3.72e-08 ***
relevel(SYNSEM, ref = "AN of IN")IN 's IN  4.5698     0.9902   4.615 3.93e-06 ***
relevel(SYNSEM, ref = "AN of IN")IN of AN -0.1454     1.1725  -0.124    0.901
relevel(SYNSEM, ref = "AN of IN")IN of IN -0.8385     1.3723  -0.611    0.541
```

```
Reference Level: IN 's AN

                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                  1.5485     0.6263   2.473   0.0134 *
relevel(SYNSEM, ref = "IN 's AN")AN 's AN    1.0847     0.7504   1.445   0.1483
relevel(SYNSEM, ref = "IN 's AN")AN 's IN   -0.8103     0.6643  -1.220   0.2225
relevel(SYNSEM, ref = "IN 's AN")AN of AN   -4.7517     0.8810  -5.394 6.91e-08 ***
relevel(SYNSEM, ref = "IN 's AN")AN of IN   -5.5993     1.0173  -5.504 3.71e-08 ***
relevel(SYNSEM, ref = "IN 's AN")IN 's IN   -1.0295     0.6559  -1.570   0.1165
relevel(SYNSEM, ref = "IN 's AN")IN of AN   -5.7447     1.0524  -5.459 4.79e-08 ***
relevel(SYNSEM, ref = "IN 's AN")IN of IN   -6.4377     1.2766  -5.043 4.59e-07 ***


Reference Level: IN of AN

                                           Estimate Std. Error z value Pr(>|z|)
(Intercept)                                 -4.1962     0.9617  -4.363 1.28e-05 ***
relevel(SYNSEM, ref = "IN of AN")AN 's AN    6.8294     1.1253   6.069 1.29e-09 ***
relevel(SYNSEM, ref = "IN of AN")AN 's IN    4.9343     1.0200   4.837 1.32e-06 ***
relevel(SYNSEM, ref = "IN of AN")AN of AN    0.9930     1.0648   0.933    0.351
relevel(SYNSEM, ref = "IN of AN")AN of IN    0.1454     1.1725   0.124    0.901
relevel(SYNSEM, ref = "IN of AN")IN 's AN    5.7447     1.0524   5.459 4.79e-08 ***
relevel(SYNSEM, ref = "IN of AN")IN 's IN    4.7152     1.0243   4.603 4.16e-06 ***
relevel(SYNSEM, ref = "IN of AN")IN of IN   -0.6931     1.3702  -0.506    0.613


Experiment 3 Group Analysis

Reference Level: AN 's' AN

                            Estimate Std. Error z value Pr(>|z|)
(Intercept)                  3.90319    0.75458   5.173 2.31e-07 ***
SYNSEMAN 's IN              -1.13816    0.84676  -1.344   0.1789
SYNSEMAN of AN             -5.28196    0.82071  -6.436 1.23e-10 ***
SYNSEMAN of IN             -7.66410    1.00131  -7.654 1.95e-14 ***
SYNSEMIN 's AN             -1.94681    0.81317  -2.394   0.0167 *
SYNSEMIN 's IN             -1.48665    0.83861  -1.773   0.0763 .
SYNSEMIN of AN             -5.90268    0.84061  -7.022 2.19e-12 ***
SYNSEMIN of IN             -9.01177    1.30047  -6.930 4.22e-12 ***
GroupEnglish                0.80620    1.29731   0.621   0.5343
GroupTurkish               -1.39249    0.91033  -1.530   0.1261
SYNSEMAN 's IN:GroupEnglish 1.24419    1.63831   0.759   0.4476
SYNSEMAN of AN:GroupEnglish -2.99489   1.45857  -2.053   0.0400 *
SYNSEMAN of IN:GroupEnglish -1.88730   1.77541  -1.063   0.2878
SYNSEMIN 's AN:GroupEnglish -0.15486   1.34440  -0.115   0.9083
SYNSEMIN 's IN:GroupEnglish 0.03623    1.36671   0.027   0.9788
SYNSEMIN of AN:GroupEnglish -1.75623   1.41891  -1.238   0.2158
SYNSEMIN of IN:GroupEnglish -0.73862   1.95881  -0.377   0.7061
SYNSEMAN 's IN:GroupTurkish -0.63517   0.96471  -0.658   0.5103
SYNSEMAN of AN:GroupTurkish -0.30477   1.06141  -0.287   0.7740
SYNSEMAN of IN:GroupTurkish 1.26006    1.29272   0.975   0.3297
SYNSEMIN 's AN:GroupTurkish 0.94213    0.94537   0.997   0.3190
SYNSEMIN 's IN:GroupTurkish -0.58462   0.95601  -0.612   0.5409
SYNSEMIN of AN:GroupTurkish -0.54482   1.19292  -0.457   0.6479
SYNSEMIN of IN:GroupTurkish 1.80502    1.69985   1.062   0.2883
```

Reference Level: IN 's AN

```
                                          Estimate Std. Error z value Pr(>|z|)
(Intercept)                                 1.5485    0.6263    2.473   0.0134 *
relevel(SYNSEM, ref = "IN 's AN")AN 's AN   1.0847    0.7504    1.445   0.1483
relevel(SYNSEM, ref = "IN 's AN")AN 's IN  -0.8103    0.6643   -1.220   0.2225
relevel(SYNSEM, ref = "IN 's AN")AN of AN  -4.7517    0.8810   -5.394 6.91e-08 ***
relevel(SYNSEM, ref = "IN 's AN")AN of IN  -5.5993    1.0173   -5.504 3.71e-08 ***
relevel(SYNSEM, ref = "IN 's AN")IN 's IN  -1.0295    0.6559   -1.570   0.1165
relevel(SYNSEM, ref = "IN 's AN")IN of AN  -5.7447    1.0524   -5.459 4.79e-08 ***
relevel(SYNSEM, ref = "IN 's AN")IN of IN  -6.4377    1.2766   -5.043 4.59e-07 ***
```

Reference Level: IN of AN

```
                                          Estimate Std. Error z value Pr(>|z|)
(Intercept)                                -4.1962    0.9617   -4.363 1.28e-05 ***
relevel(SYNSEM, ref = "IN of AN")AN 's AN   6.8294    1.1253    6.069 1.29e-09 ***
relevel(SYNSEM, ref = "IN of AN")AN 's IN   4.9343    1.0200    4.837 1.32e-06 ***
relevel(SYNSEM, ref = "IN of AN")AN of AN   0.9930    1.0648    0.933   0.351
relevel(SYNSEM, ref = "IN of AN")AN of IN   0.1454    1.1725    0.124   0.901
relevel(SYNSEM, ref = "IN of AN")IN 's AN   5.7447    1.0524    5.459 4.79e-08 ***
relevel(SYNSEM, ref = "IN of AN")IN 's IN   4.7152    1.0243    4.603 4.16e-06 ***
relevel(SYNSEM, ref = "IN of AN")IN of IN  -0.6931    1.3702   -0.506   0.613
```

Experiment 3 Group Analysis

Reference Level: AN 's' AN

```
                               Estimate Std. Error z value Pr(>|z|)
(Intercept)                     3.90319    0.75458    5.173 2.31e-07 ***
SYNSEMAN 's IN                 -1.13816    0.84676   -1.344   0.1789
SYNSEMAN of AN                 -5.28196    0.82071   -6.436 1.23e-10 ***
SYNSEMAN of IN                 -7.66410    1.00131   -7.654 1.95e-14 ***
SYNSEMIN 's AN                 -1.94681    0.81317   -2.394   0.0167 *
SYNSEMIN 's IN                 -1.48665    0.83861   -1.773   0.0763 .
SYNSEMIN of AN                 -5.90268    0.84061   -7.022 2.19e-12 ***
SYNSEMIN of IN                 -9.01177    1.30047   -6.930 4.22e-12 ***
GroupEnglish                    0.80620    1.29731    0.621   0.5343
GroupTurkish                   -1.39249    0.91033   -1.530   0.1261
SYNSEMAN 's IN:GroupEnglish     1.24419    1.63831    0.759   0.4476
SYNSEMAN of AN:GroupEnglish    -2.99489    1.45857   -2.053   0.0400 *
SYNSEMAN of IN:GroupEnglish    -1.88730    1.77541   -1.063   0.2878
SYNSEMIN 's AN:GroupEnglish    -0.15486    1.34440   -0.115   0.9083
SYNSEMIN 's IN:GroupEnglish     0.03623    1.36671    0.027   0.9788
SYNSEMIN of AN:GroupEnglish    -1.75623    1.41891   -1.238   0.2158
SYNSEMIN of IN:GroupEnglish    -0.73862    1.95881   -0.377   0.7061
SYNSEMAN 's IN:GroupTurkish    -0.63517    0.96471   -0.658   0.5103
SYNSEMAN of AN:GroupTurkish    -0.30477    1.06141   -0.287   0.7740
SYNSEMAN of IN:GroupTurkish     1.26006    1.29272    0.975   0.3297
SYNSEMIN 's AN:GroupTurkish     0.94213    0.94537    0.997   0.3190
SYNSEMIN 's IN:GroupTurkish    -0.58462    0.95601   -0.612   0.5409
SYNSEMIN of AN:GroupTurkish    -0.54482    1.19292   -0.457   0.6479
SYNSEMIN of IN:GroupTurkish     1.80502    1.69985    1.062   0.2883
```

Reference Level: IN of IN

|  | Estimate | Std. Error | z value | Pr(>\|z\|) | |
|---|---|---|---|---|---|
| (Intercept) | -5.10855 | 1.09926 | -4.647 | 3.36e-06 | *** |
| relevel(SYNSEM, ref = "IN of IN")AN 's AN | 9.01173 | 1.30053 | 6.929 | 4.23e-12 | *** |
| relevel(SYNSEM, ref = "IN of IN")AN 's IN | 7.87358 | 1.19904 | 6.567 | 5.15e-11 | *** |
| relevel(SYNSEM, ref = "IN of IN")AN of AN | 3.72978 | 1.12855 | 3.305 | 0.00095 | *** |
| relevel(SYNSEM, ref = "IN of IN")AN of IN | 1.34764 | 1.24782 | 1.080 | 0.28014 | |
| relevel(SYNSEM, ref = "IN of IN")IN 's AN | 7.06492 | 1.16430 | 6.068 | 1.30e-09 | *** |
| relevel(SYNSEM, ref = "IN of IN")IN 's IN | 7.52508 | 1.18649 | 6.342 | 2.26e-10 | *** |
| relevel(SYNSEM, ref = "IN of IN")IN of AN | 3.10906 | 1.14249 | 2.721 | 0.00650 | ** |
| GroupEnglish | 0.06753 | 1.54242 | 0.044 | 0.96508 | |
| GroupTurkish | 0.41248 | 1.52313 | 0.271 | 0.78654 | |
| relevel(SYNSEM, ref = "IN of IN")AN 's AN:GroupEnglish | 0.73869 | 1.95908 | 0.377 | 0.70613 | |
| relevel(SYNSEM, ref = "IN of IN")AN 's IN:GroupEnglish | 1.98286 | 1.89530 | 1.046 | 0.29547 | |
| relevel(SYNSEM, ref = "IN of IN")AN of AN:GroupEnglish | -2.25622 | 1.62083 | -1.392 | 0.16392 | |
| relevel(SYNSEM, ref = "IN of IN")AN of IN:GroupEnglish | -1.14864 | 1.89309 | -0.607 | 0.54401 | |
| relevel(SYNSEM, ref = "IN of IN")IN 's AN:GroupEnglish | 0.58380 | 1.62674 | 0.359 | 0.71968 | |
| relevel(SYNSEM, ref = "IN of IN")IN 's IN:GroupEnglish | 0.77490 | 1.65651 | 0.468 | 0.63993 | |
| relevel(SYNSEM, ref = "IN of IN")IN of AN:GroupEnglish | -1.01756 | 1.59324 | -0.639 | 0.52303 | |
| relevel(SYNSEM, ref = "IN of IN")AN 's AN:GroupTurkish | -1.80495 | 1.69934 | -1.062 | 0.28817 | |
| relevel(SYNSEM, ref = "IN of IN")AN 's IN:GroupTurkish | -2.44014 | 1.58142 | -1.543 | 0.12283 | |
| relevel(SYNSEM, ref = "IN of IN")AN of AN:GroupTurkish | -2.10974 | 1.58836 | -1.328 | 0.18410 | |
| relevel(SYNSEM, ref = "IN of IN")AN of IN:GroupTurkish | -0.54490 | 1.74858 | -0.312 | 0.75532 | |
| relevel(SYNSEM, ref = "IN of IN")IN 's AN:GroupTurkish | -0.86283 | 1.56667 | -0.551 | 0.58181 | |
| relevel(SYNSEM, ref = "IN of IN")IN 's IN:GroupTurkish | -2.38959 | 1.56901 | -1.523 | 0.12776 | |
| relevel(SYNSEM, ref = "IN of IN")IN of AN:GroupTurkish | -2.34979 | 1.67584 | -1.402 | 0.16087 | |

Reference Level: IN 's AN

|  | Estimate | Std. Error | z value | Pr(>\|z\|) | |
|---|---|---|---|---|---|
| (Intercept) | 1.9564 | 0.4943 | 3.958 | 7.56e-05 | *** |
| relevel(SYNSEM, ref = "IN 's AN")AN 's AN | 1.9468 | 0.8132 | 2.394 | 0.01667 | * |
| relevel(SYNSEM, ref = "IN 's AN")AN 's IN | 0.8087 | 0.6467 | 1.250 | 0.21112 | |
| relevel(SYNSEM, ref = "IN 's AN")AN of AN | -3.3351 | 0.5846 | -5.705 | 1.16e-08 | *** |
| relevel(SYNSEM, ref = "IN 's AN")AN of IN | -5.7173 | 0.8173 | -6.995 | 2.64e-12 | *** |
| relevel(SYNSEM, ref = "IN 's AN")IN 's IN | 0.4602 | 0.6248 | 0.737 | 0.46141 | |
| relevel(SYNSEM, ref = "IN 's AN")IN of AN | -3.9559 | 0.6112 | -6.472 | 9.65e-11 | *** |
| relevel(SYNSEM, ref = "IN 's AN")IN of IN | -7.0650 | 1.1641 | -6.069 | 1.29e-09 | *** |
| GroupEnglish | 0.6513 | 0.7138 | 0.913 | 0.36149 | |
| GroupTurkish | -0.4504 | 0.6385 | -0.705 | 0.48057 | |
| relevel(SYNSEM, ref = "IN 's AN")AN 's AN:GroupEnglish | 0.1549 | 1.3446 | 0.115 | 0.90830 | |
| relevel(SYNSEM, ref = "IN 's AN")AN 's IN:GroupEnglish | 1.3991 | 1.2476 | 1.121 | 0.26210 | |
| relevel(SYNSEM, ref = "IN 's AN")AN of AN:GroupEnglish | -2.8400 | 0.9682 | -2.933 | 0.00335 | ** |
| relevel(SYNSEM, ref = "IN 's AN")AN of IN:GroupEnglish | -1.7324 | 1.4003 | -1.237 | 0.21602 | |
| relevel(SYNSEM, ref = "IN 's AN")IN 's IN:GroupEnglish | 0.1911 | 0.8501 | 0.225 | 0.82215 | |
| relevel(SYNSEM, ref = "IN 's AN")IN of AN:GroupEnglish | -1.6014 | 0.9072 | -1.765 | 0.07753 | . |
| relevel(SYNSEM, ref = "IN 's AN")IN of IN:GroupEnglish | -0.5838 | 1.6262 | -0.359 | 0.71962 | |
| relevel(SYNSEM, ref = "IN 's AN")AN 's AN:GroupTurkish | -0.9421 | 0.9454 | -0.997 | 0.31900 | |
| relevel(SYNSEM, ref = "IN 's AN")AN 's IN:GroupTurkish | -1.5773 | 0.7302 | -2.160 | 0.03077 | * |
| relevel(SYNSEM, ref = "IN 's AN")AN of AN:GroupTurkish | -1.2469 | 0.8334 | -1.496 | 0.13460 | |
| relevel(SYNSEM, ref = "IN 's AN")AN of IN:GroupTurkish | 0.3179 | 1.1119 | 0.286 | 0.77494 | |
| relevel(SYNSEM, ref = "IN 's AN")IN 's IN:GroupTurkish | -1.5268 | 0.7082 | -2.156 | 0.03110 | * |
| relevel(SYNSEM, ref = "IN 's AN")IN of AN:GroupTurkish | -1.4870 | 0.9954 | -1.494 | 0.13522 | |
| relevel(SYNSEM, ref = "IN 's AN")IN of IN:GroupTurkish | 0.8629 | 1.5670 | 0.551 | 0.58188 | |

```
Reference Level: IN of AN

                                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                                             -1.99948    0.49443  -4.044 5.25e-05 ***
relevel(SYNSEM, ref = "IN of AN")AN 's AN               5.90267    0.84057   7.022 2.18e-12 ***
relevel(SYNSEM, ref = "IN of AN")AN 's IN               4.76452    0.67580   7.050 1.79e-12 ***
relevel(SYNSEM, ref = "IN of AN")AN of AN               0.62071    0.56681   1.095  0.27347
relevel(SYNSEM, ref = "IN of AN")AN of IN              -1.76142    0.79238  -2.223  0.02622 *
relevel(SYNSEM, ref = "IN of AN")IN 's AN               3.95586    0.61120   6.472 9.65e-11 ***
relevel(SYNSEM, ref = "IN of AN")IN 's IN               4.41602    0.65181   6.775 1.24e-11 ***
relevel(SYNSEM, ref = "IN of AN")IN of IN              -3.10910    1.14232  -2.722  0.00649 **
GroupEnglish                                            -0.95004    0.76441  -1.243  0.21393
GroupTurkish                                            -1.93731    0.92960  -2.084  0.03716 *
relevel(SYNSEM, ref = "IN of AN")AN 's AN:GroupEnglish  1.75624    1.41882   1.238  0.21578
relevel(SYNSEM, ref = "IN of AN")AN 's IN:GroupEnglish  3.00044    1.32879   2.258  0.02394 *
relevel(SYNSEM, ref = "IN of AN")AN of AN:GroupEnglish -1.23865    0.93269  -1.328  0.18417
relevel(SYNSEM, ref = "IN of AN")AN of IN:GroupEnglish -0.13107    1.36904  -0.096  0.92373
relevel(SYNSEM, ref = "IN of AN")IN 's AN:GroupEnglish  1.60137    0.90721   1.765  0.07754 .
relevel(SYNSEM, ref = "IN of AN")IN 's IN:GroupEnglish  1.79247    0.95903   1.869  0.06162 .
relevel(SYNSEM, ref = "IN of AN")IN of IN:GroupEnglish  1.01762    1.59279   0.639  0.52289
relevel(SYNSEM, ref = "IN of AN")AN 's AN:GroupTurkish  0.54483    1.19268   0.457  0.64781
relevel(SYNSEM, ref = "IN of AN")AN 's IN:GroupTurkish -0.09035    1.01540  -0.089  0.92910
relevel(SYNSEM, ref = "IN of AN")AN of AN:GroupTurkish  0.24005    1.04395   0.230  0.81813
relevel(SYNSEM, ref = "IN of AN")AN of IN:GroupTurkish  1.80488    1.27486   1.416  0.15685
relevel(SYNSEM, ref = "IN of AN")IN 's AN:GroupTurkish  1.48695    0.99519   1.494  0.13514
relevel(SYNSEM, ref = "IN of AN")IN 's IN:GroupTurkish -0.03980    0.99861  -0.040  0.96821
relevel(SYNSEM, ref = "IN of AN")IN of IN:GroupTurkish  2.34984    1.67607   1.402  0.16092


Reference Level: AN 's IN

                                                        Estimate Std. Error z value Pr(>|z|)
(Intercept)                                              2.76503    0.56759   4.872 1.11e-06 ***
relevel(SYNSEM, ref = "AN 's IN")AN 's AN                1.13815    0.84662   1.344  0.17884
relevel(SYNSEM, ref = "AN 's IN")AN of AN               -4.14380    0.65095  -6.366 1.94e-10 ***
relevel(SYNSEM, ref = "AN 's IN")AN of IN               -6.52594    0.86651  -7.531 5.02e-14 ***
relevel(SYNSEM, ref = "AN 's IN")IN 's AN               -0.80865    0.64654  -1.251  0.21103
relevel(SYNSEM, ref = "AN 's IN")IN 's IN               -0.34849    0.67930  -0.513  0.60794
relevel(SYNSEM, ref = "AN 's IN")IN of AN               -4.76452    0.67566  -7.052 1.77e-12 ***
relevel(SYNSEM, ref = "AN 's IN")IN of IN               -7.87361    1.19867  -6.569 5.08e-11 ***
GroupEnglish                                             2.05039    1.19583   1.715  0.08642 .
GroupTurkish                                            -2.02766    0.67594  -3.000  0.00270 **
relevel(SYNSEM, ref = "AN 's IN")AN 's AN:GroupEnglish  -1.24417    1.63750  -0.760  0.44738
relevel(SYNSEM, ref = "AN 's IN")AN of AN:GroupEnglish  -4.23908    1.37094  -3.092  0.00199 **
relevel(SYNSEM, ref = "AN 's IN")AN of IN:GroupEnglish  -3.13150    1.70391  -1.838  0.06609 .
relevel(SYNSEM, ref = "AN 's IN")IN 's AN:GroupEnglish  -1.39905    1.24683  -1.122  0.26182
relevel(SYNSEM, ref = "AN 's IN")IN 's IN:GroupEnglish  -1.20796    1.26995  -0.951  0.34151
relevel(SYNSEM, ref = "AN 's IN")IN of AN:GroupEnglish  -3.00042    1.32800  -2.259  0.02386 *
relevel(SYNSEM, ref = "AN 's IN")IN of IN:GroupEnglish  -1.98282    1.89417  -1.047  0.29519
relevel(SYNSEM, ref = "AN 's IN")AN 's AN:GroupTurkish   0.63518    0.96457   0.659  0.51021
relevel(SYNSEM, ref = "AN 's IN")AN of AN:GroupTurkish   0.33040    0.85928   0.385  0.70060
relevel(SYNSEM, ref = "AN 's IN")AN of IN:GroupTurkish   1.89523    1.13291   1.673  0.09435 .
relevel(SYNSEM, ref = "AN 's IN")IN 's AN:GroupTurkish   1.57730    0.73008   2.160  0.03074 *
relevel(SYNSEM, ref = "AN 's IN")IN 's IN:GroupTurkish   0.05055    0.73930   0.068  0.94549
relevel(SYNSEM, ref = "AN 's IN")IN of AN:GroupTurkish   0.09035    1.01554   0.089  0.92911
relevel(SYNSEM, ref = "AN 's IN")IN of IN:GroupTurkish   2.44017    1.58160   1.543  0.12287
```

```
Reference Level: AN of IN

(Intercept)                                             -3.7609    0.7266   -5.176  2.27e-07  ***
relevel(SYNSEM, ref = "AN of IN")AN 's AN                7.6641    1.0011    7.656  1.92e-14  ***
relevel(SYNSEM, ref = "AN of IN")AN 's IN                6.5259    0.8664    7.532  5.00e-14  ***
relevel(SYNSEM, ref = "AN of IN")AN of AN                2.3821    0.7726    3.083  0.00205   **
relevel(SYNSEM, ref = "AN of IN")IN 's AN                5.7173    0.8170    6.998  2.60e-12  ***
relevel(SYNSEM, ref = "AN of IN")IN 's IN                6.1775    0.8480    7.285  3.21e-13  ***
relevel(SYNSEM, ref = "AN of IN")IN of AN                1.7614    0.7921    2.224  0.02616   *
relevel(SYNSEM, ref = "AN of IN")IN of IN               -1.3477    1.2478   -1.080  0.28012
GroupEnglish                                            -1.0811    1.3034   -0.829  0.40685
GroupTurkish                                            -0.1324    1.0562   -0.125  0.90023
relevel(SYNSEM, ref = "AN of IN")AN 's AN:GroupEnglish   1.8873    1.7750    1.063  0.28766
relevel(SYNSEM, ref = "AN of IN")AN 's IN:GroupEnglish   3.1315    1.7041    1.838  0.06611   .
relevel(SYNSEM, ref = "AN of IN")AN of AN:GroupEnglish  -1.1076    1.3995   -0.791  0.42869
relevel(SYNSEM, ref = "AN of IN")IN 's AN:GroupEnglish   1.7324    1.3999    1.238  0.21588
relevel(SYNSEM, ref = "AN of IN")IN 's IN:GroupEnglish   1.9235    1.4344    1.341  0.17992
relevel(SYNSEM, ref = "AN of IN")IN of AN:GroupEnglish   0.1311    1.3684    0.096  0.92369
relevel(SYNSEM, ref = "AN of IN")IN of IN:GroupEnglish   1.1487    1.8926    0.607  0.54390
relevel(SYNSEM, ref = "AN of IN")AN 's AN:GroupTurkish  -1.2601    1.2925   -0.975  0.32960
relevel(SYNSEM, ref = "AN of IN")AN 's IN:GroupTurkish  -1.8952    1.1328   -1.673  0.09431   .
relevel(SYNSEM, ref = "AN of IN")AN of AN:GroupTurkish  -1.5648    1.1554   -1.354  0.17561
relevel(SYNSEM, ref = "AN of IN")IN 's AN:GroupTurkish  -0.3179    1.1115   -0.286  0.77485
relevel(SYNSEM, ref = "AN of IN")IN 's IN:GroupTurkish  -1.8447    1.1161   -1.653  0.09837   .
relevel(SYNSEM, ref = "AN of IN")IN of AN:GroupTurkish  -1.8049    1.2745   -1.416  0.15675
relevel(SYNSEM, ref = "AN of IN")IN of IN:GroupTurkish   0.5449    1.7491    0.312  0.75538
```