Data Analyses for Predicting Preference for Prestigious Political Leaders

> summary(fit0)

Family: cumulative

Links: mu = logit; disc = identity

Formula: PRESTIGEREV ~ 1 + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.60 0.06 0.49 0.74 658 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -1.92 0.09 -2.09 -1.74 254 1.01

Intercept[2] -0.37 0.09 -0.54 -0.19 251 1.01

Intercept[3] 1.60 0.09 1.43 1.79 253 1.01

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit1)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(CLASSREV) + mo(INCOME) + mo(POLTICALIDEOLOGY) + GENDER + AGE + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.88 0.09 0.73 1.07 816 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -1.00 0.12 -1.24 -0.75 556 1.01

Intercept[2] 0.35 0.12 0.11 0.59 560 1.01

Intercept[3] 1.98 0.12 1.73 2.22 569 1.01

GENDERMale -0.03 0.02 -0.06 0.00 9429 1.00

AGE -0.00 0.00 -0.00 0.00 11844 1.00

moCLASSREV 0.12 0.02 0.09 0.15 8941 1.00

moINCOME -0.00 0.01 -0.02 0.01 5746 1.00

moPOLTICALIDEOLOGY 0.02 0.00 0.01 0.03 7365 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moCLASSREV1[1] 0.13 0.05 0.03 0.23 5896 1.00

moCLASSREV1[2] 0.01 0.01 0.00 0.03 11086 1.00

moCLASSREV1[3] 0.09 0.04 0.01 0.18 6573 1.00

moCLASSREV1[4] 0.77 0.06 0.64 0.89 6554 1.00

moINCOME1[1] 0.16 0.13 0.00 0.49 9253 1.00

moINCOME1[2] 0.11 0.10 0.00 0.37 10913 1.00

moINCOME1[3] 0.10 0.09 0.00 0.33 10349 1.00

moINCOME1[4] 0.08 0.09 0.00 0.32 7915 1.00

moINCOME1[5] 0.10 0.09 0.00 0.33 10736 1.00

moINCOME1[6] 0.12 0.10 0.00 0.38 8777 1.00

moINCOME1[7] 0.11 0.10 0.00 0.36 10411 1.00

moINCOME1[8] 0.12 0.10 0.00 0.37 9037 1.00

moINCOME1[9] 0.11 0.10 0.00 0.37 9705 1.00

moPOLTICALIDEOLOGY1[1] 0.06 0.06 0.00 0.21 11975 1.00

moPOLTICALIDEOLOGY1[2] 0.10 0.09 0.00 0.31 10528 1.00

moPOLTICALIDEOLOGY1[3] 0.28 0.15 0.02 0.59 6580 1.00

moPOLTICALIDEOLOGY1[4] 0.29 0.15 0.04 0.60 6200 1.00

moPOLTICALIDEOLOGY1[5] 0.06 0.05 0.00 0.18 11189 1.00

moPOLTICALIDEOLOGY1[6] 0.02 0.02 0.00 0.09 10776 1.00

moPOLTICALIDEOLOGY1[7] 0.02 0.02 0.00 0.07 11262 1.00

moPOLTICALIDEOLOGY1[8] 0.04 0.04 0.00 0.14 10722 1.00

moPOLTICALIDEOLOGY1[9] 0.12 0.09 0.01 0.33 6634 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit2)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(ECOUNJOBREV) + mo(ECOUNEDUCATIONREV) + mo(ECOUNFOODREV) + mo(ECOUNMEDICINEREV) + mo(ECOUNCASHREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.88 0.09 0.73 1.07 949 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.82 0.13 -1.08 -0.58 657 1.00

Intercept[2] 0.53 0.13 0.28 0.78 657 1.00

Intercept[3] 2.17 0.13 1.91 2.41 662 1.00

moECOUNJOBREV 0.05 0.01 0.04 0.07 6417 1.00

moECOUNEDUCATIONREV 0.04 0.01 0.02 0.06 5225 1.00

moECOUNFOODREV 0.14 0.02 0.11 0.17 4928 1.00

moECOUNMEDICINEREV 0.06 0.01 0.04 0.08 5712 1.00

moECOUNCASHREV -0.05 0.01 -0.08 -0.03 5527 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moECOUNJOBREV1[1] 0.12 0.10 0.00 0.35 8324 1.00

moECOUNJOBREV1[2] 0.80 0.11 0.55 0.97 8434 1.00

moECOUNJOBREV1[3] 0.08 0.06 0.00 0.24 9256 1.00

moECOUNEDUCATIONREV1[1] 0.82 0.12 0.52 0.98 6217 1.00

moECOUNEDUCATIONREV1[2] 0.14 0.11 0.00 0.42 6121 1.00

moECOUNEDUCATIONREV1[3] 0.05 0.05 0.00 0.16 7548 1.00

moECOUNFOODREV1[1] 0.37 0.06 0.26 0.50 6168 1.00

moECOUNFOODREV1[2] 0.24 0.07 0.10 0.39 7027 1.00

moECOUNFOODREV1[3] 0.39 0.08 0.22 0.53 5828 1.00

moECOUNMEDICINEREV1[1] 0.72 0.12 0.48 0.93 6547 1.00

moECOUNMEDICINEREV1[2] 0.15 0.10 0.01 0.38 7649 1.00

moECOUNMEDICINEREV1[3] 0.13 0.09 0.01 0.34 6935 1.00

moECOUNCASHREV1[1] 0.06 0.05 0.00 0.19 8753 1.00

moECOUNCASHREV1[2] 0.30 0.14 0.05 0.59 6196 1.00

moECOUNCASHREV1[3] 0.65 0.14 0.35 0.89 6438 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit3)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(CLASSREV) + mo(INCOME) + mo(POLTICALIDEOLOGY) + GENDER + AGE + mo(ECOUNJOBREV) + mo(ECOUNEDUCATIONREV) + mo(ECOUNFOODREV) + mo(ECOUNMEDICINEREV) + mo(ECOUNCASHREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.87 0.09 0.72 1.05 786 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.53 0.13 -0.77 -0.28 505 1.02

Intercept[2] 0.83 0.13 0.59 1.07 510 1.02

Intercept[3] 2.46 0.13 2.22 2.71 515 1.02

GENDERMale -0.04 0.02 -0.07 -0.00 13312 1.00

AGE 0.00 0.00 -0.00 0.00 10755 1.00

moCLASSREV 0.13 0.02 0.10 0.16 11145 1.00

moINCOME 0.01 0.00 0.00 0.02 6745 1.00

moPOLTICALIDEOLOGY 0.02 0.00 0.01 0.03 9765 1.00

moECOUNJOBREV 0.05 0.01 0.04 0.07 9993 1.00

moECOUNEDUCATIONREV 0.04 0.01 0.02 0.06 10122 1.00

moECOUNFOODREV 0.15 0.02 0.12 0.18 7471 1.00

moECOUNMEDICINEREV 0.06 0.01 0.04 0.08 7915 1.00

moECOUNCASHREV -0.04 0.01 -0.06 -0.02 8117 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moCLASSREV1[1] 0.18 0.05 0.09 0.28 9600 1.00

moCLASSREV1[2] 0.01 0.01 0.00 0.03 14775 1.00

moCLASSREV1[3] 0.12 0.04 0.03 0.21 9898 1.00

moCLASSREV1[4] 0.69 0.06 0.56 0.81 9484 1.00

moINCOME1[1] 0.07 0.06 0.00 0.24 13182 1.00

moINCOME1[2] 0.09 0.08 0.00 0.30 14600 1.00

moINCOME1[3] 0.10 0.09 0.00 0.33 11756 1.00

moINCOME1[4] 0.32 0.15 0.03 0.62 6853 1.00

moINCOME1[5] 0.07 0.07 0.00 0.25 11174 1.00

moINCOME1[6] 0.06 0.06 0.00 0.21 10393 1.00

moINCOME1[7] 0.07 0.07 0.00 0.25 12036 1.00

moINCOME1[8] 0.09 0.08 0.00 0.30 11015 1.00

moINCOME1[9] 0.12 0.10 0.00 0.38 8602 1.00

moPOLTICALIDEOLOGY1[1] 0.06 0.06 0.00 0.22 16161 1.00

moPOLTICALIDEOLOGY1[2] 0.10 0.09 0.00 0.31 13610 1.00

moPOLTICALIDEOLOGY1[3] 0.26 0.15 0.02 0.58 8813 1.00

moPOLTICALIDEOLOGY1[4] 0.31 0.15 0.04 0.61 8659 1.00

moPOLTICALIDEOLOGY1[5] 0.05 0.05 0.00 0.17 13055 1.00

moPOLTICALIDEOLOGY1[6] 0.02 0.02 0.00 0.09 14330 1.00

moPOLTICALIDEOLOGY1[7] 0.02 0.02 0.00 0.08 13592 1.00

moPOLTICALIDEOLOGY1[8] 0.04 0.04 0.00 0.14 13622 1.00

moPOLTICALIDEOLOGY1[9] 0.13 0.09 0.01 0.34 8137 1.00

moECOUNJOBREV1[1] 0.12 0.09 0.00 0.34 12235 1.00

moECOUNJOBREV1[2] 0.79 0.11 0.55 0.96 12738 1.00

moECOUNJOBREV1[3] 0.08 0.07 0.00 0.24 15645 1.00

moECOUNEDUCATIONREV1[1] 0.81 0.13 0.49 0.97 8952 1.00

moECOUNEDUCATIONREV1[2] 0.15 0.12 0.01 0.45 8743 1.00

moECOUNEDUCATIONREV1[3] 0.05 0.05 0.00 0.16 12232 1.00

moECOUNFOODREV1[1] 0.39 0.06 0.28 0.52 8847 1.00

moECOUNFOODREV1[2] 0.23 0.07 0.10 0.37 9885 1.00

moECOUNFOODREV1[3] 0.38 0.08 0.21 0.51 7763 1.00

moECOUNMEDICINEREV1[1] 0.73 0.11 0.50 0.93 8629 1.00

moECOUNMEDICINEREV1[2] 0.15 0.10 0.01 0.36 11874 1.00

moECOUNMEDICINEREV1[3] 0.12 0.09 0.00 0.33 9902 1.00

moECOUNCASHREV1[1] 0.06 0.06 0.00 0.22 7378 1.00

moECOUNCASHREV1[2] 0.27 0.16 0.02 0.64 9897 1.00

moECOUNCASHREV1[3] 0.67 0.17 0.27 0.93 8303 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit4)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(LACK\_CONTROLREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.87 0.09 0.72 1.07 673 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -1.07 0.12 -1.31 -0.83 529 1.01

Intercept[2] 0.27 0.12 0.03 0.52 527 1.01

Intercept[3] 1.90 0.12 1.65 2.14 527 1.01

moLACK\_CONTROLREV 0.01 0.00 0.00 0.02 4499 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moLACK\_CONTROLREV1[1] 0.05 0.05 0.00 0.18 6373 1.00

moLACK\_CONTROLREV1[2] 0.05 0.05 0.00 0.19 6211 1.00

moLACK\_CONTROLREV1[3] 0.16 0.12 0.01 0.46 5343 1.00

moLACK\_CONTROLREV1[4] 0.33 0.16 0.04 0.64 4312 1.00

moLACK\_CONTROLREV1[5] 0.07 0.07 0.00 0.25 5773 1.00

moLACK\_CONTROLREV1[6] 0.08 0.08 0.00 0.28 5781 1.00

moLACK\_CONTROLREV1[7] 0.08 0.07 0.00 0.26 6470 1.00

moLACK\_CONTROLREV1[8] 0.09 0.08 0.00 0.30 6179 1.00

moLACK\_CONTROLREV1[9] 0.09 0.08 0.00 0.30 5647 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit5)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(CLASSREV) + mo(INCOME) + mo(POLTICALIDEOLOGY) + GENDER + AGE + mo(LACK\_CONTROLREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.88 0.09 0.73 1.07 905 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.94 0.13 -1.21 -0.68 567 1.01

Intercept[2] 0.40 0.13 0.14 0.66 565 1.01

Intercept[3] 2.03 0.13 1.77 2.29 567 1.01

GENDERMale -0.03 0.02 -0.06 0.00 12317 1.00

AGE -0.00 0.00 -0.00 0.00 10982 1.00

moCLASSREV 0.12 0.02 0.09 0.15 10164 1.00

moINCOME -0.00 0.01 -0.01 0.01 7075 1.00

moPOLTICALIDEOLOGY 0.02 0.00 0.01 0.03 9502 1.00

moLACK\_CONTROLREV 0.01 0.00 0.01 0.02 11375 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moCLASSREV1[1] 0.14 0.05 0.04 0.24 10095 1.00

moCLASSREV1[2] 0.01 0.01 0.00 0.03 12652 1.00

moCLASSREV1[3] 0.09 0.05 0.01 0.19 7879 1.00

moCLASSREV1[4] 0.76 0.07 0.62 0.88 9128 1.00

moINCOME1[1] 0.13 0.12 0.00 0.45 9836 1.00

moINCOME1[2] 0.11 0.10 0.00 0.35 15060 1.00

moINCOME1[3] 0.10 0.09 0.00 0.34 13504 1.00

moINCOME1[4] 0.11 0.11 0.00 0.41 9504 1.00

moINCOME1[5] 0.10 0.09 0.00 0.33 13772 1.00

moINCOME1[6] 0.11 0.10 0.00 0.37 11217 1.00

moINCOME1[7] 0.11 0.10 0.00 0.36 12626 1.00

moINCOME1[8] 0.12 0.10 0.00 0.38 10944 1.00

moINCOME1[9] 0.12 0.11 0.00 0.39 9677 1.00

moPOLTICALIDEOLOGY1[1] 0.06 0.05 0.00 0.20 14359 1.00

moPOLTICALIDEOLOGY1[2] 0.10 0.08 0.00 0.31 14870 1.00

moPOLTICALIDEOLOGY1[3] 0.26 0.15 0.02 0.58 8775 1.00

moPOLTICALIDEOLOGY1[4] 0.30 0.15 0.04 0.60 8447 1.00

moPOLTICALIDEOLOGY1[5] 0.06 0.05 0.00 0.19 12447 1.00

moPOLTICALIDEOLOGY1[6] 0.02 0.03 0.00 0.09 12014 1.00

moPOLTICALIDEOLOGY1[7] 0.02 0.02 0.00 0.08 13347 1.00

moPOLTICALIDEOLOGY1[8] 0.04 0.04 0.00 0.14 14157 1.00

moPOLTICALIDEOLOGY1[9] 0.14 0.09 0.01 0.34 7630 1.00

moLACK\_CONTROLREV1[1] 0.04 0.04 0.00 0.14 13620 1.00

moLACK\_CONTROLREV1[2] 0.04 0.04 0.00 0.16 13915 1.00

moLACK\_CONTROLREV1[3] 0.15 0.12 0.01 0.43 9685 1.00

moLACK\_CONTROLREV1[4] 0.38 0.15 0.07 0.67 7547 1.00

moLACK\_CONTROLREV1[5] 0.06 0.06 0.00 0.22 11733 1.00

moLACK\_CONTROLREV1[6] 0.08 0.07 0.00 0.26 12828 1.00

moLACK\_CONTROLREV1[7] 0.07 0.07 0.00 0.24 11863 1.00

moLACK\_CONTROLREV1[8] 0.08 0.07 0.00 0.26 10968 1.00

moLACK\_CONTROLREV1[9] 0.08 0.07 0.00 0.27 11109 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit6)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(ECOUNJOBREV) + mo(ECOUNEDUCATIONREV) + mo(ECOUNFOODREV) + mo(ECOUNMEDICINEREV) + mo(ECOUNCASHREV) + mo(LACK\_CONTROLREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.87 0.09 0.72 1.07 1054 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.83 0.13 -1.09 -0.59 648 1.00

Intercept[2] 0.52 0.13 0.26 0.76 644 1.00

Intercept[3] 2.15 0.13 1.89 2.39 645 1.00

moECOUNJOBREV 0.05 0.01 0.04 0.07 8760 1.00

moECOUNEDUCATIONREV 0.04 0.01 0.02 0.06 8406 1.00

moECOUNFOODREV 0.14 0.02 0.11 0.17 7177 1.00

moECOUNMEDICINEREV 0.06 0.01 0.04 0.08 8121 1.00

moECOUNCASHREV -0.05 0.01 -0.08 -0.03 8198 1.00

moLACK\_CONTROLREV -0.00 0.01 -0.01 0.01 5617 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moECOUNJOBREV1[1] 0.12 0.09 0.00 0.34 10481 1.00

moECOUNJOBREV1[2] 0.80 0.11 0.55 0.97 11457 1.00

moECOUNJOBREV1[3] 0.08 0.06 0.00 0.24 12707 1.00

moECOUNEDUCATIONREV1[1] 0.82 0.12 0.54 0.98 8984 1.00

moECOUNEDUCATIONREV1[2] 0.13 0.11 0.01 0.41 8597 1.00

moECOUNEDUCATIONREV1[3] 0.05 0.04 0.00 0.16 10327 1.00

moECOUNFOODREV1[1] 0.37 0.06 0.26 0.50 7802 1.00

moECOUNFOODREV1[2] 0.24 0.07 0.10 0.38 9343 1.00

moECOUNFOODREV1[3] 0.39 0.08 0.22 0.53 7415 1.00

moECOUNMEDICINEREV1[1] 0.72 0.12 0.48 0.93 8603 1.00

moECOUNMEDICINEREV1[2] 0.15 0.10 0.01 0.38 9743 1.00

moECOUNMEDICINEREV1[3] 0.13 0.09 0.01 0.35 8624 1.00

moECOUNCASHREV1[1] 0.06 0.05 0.00 0.18 11592 1.00

moECOUNCASHREV1[2] 0.29 0.13 0.05 0.58 8223 1.00

moECOUNCASHREV1[3] 0.65 0.13 0.36 0.89 8550 1.00

moLACK\_CONTROLREV1[1] 0.15 0.13 0.00 0.49 7985 1.00

moLACK\_CONTROLREV1[2] 0.11 0.10 0.00 0.37 11274 1.00

moLACK\_CONTROLREV1[3] 0.09 0.09 0.00 0.35 9189 1.00

moLACK\_CONTROLREV1[4] 0.09 0.11 0.00 0.40 7059 1.00

moLACK\_CONTROLREV1[5] 0.10 0.09 0.00 0.33 11059 1.00

moLACK\_CONTROLREV1[6] 0.10 0.09 0.00 0.35 11557 1.00

moLACK\_CONTROLREV1[7] 0.11 0.10 0.00 0.37 10071 1.00

moLACK\_CONTROLREV1[8] 0.12 0.10 0.00 0.37 10289 1.00

moLACK\_CONTROLREV1[9] 0.12 0.11 0.00 0.40 9832 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit7)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(CLASSREV) + mo(INCOME) + mo(POLTICALIDEOLOGY) + GENDER + AGE + mo(ECOUNJOBREV) + mo(ECOUNEDUCATIONREV) + mo(ECOUNFOODREV) + mo(ECOUNMEDICINEREV) + mo(ECOUNCASHREV) + (LACK\_CONTROLREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.88 0.09 0.72 1.07 753 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.51 0.13 -0.77 -0.27 698 1.00

Intercept[2] 0.84 0.13 0.59 1.09 696 1.00

Intercept[3] 2.48 0.13 2.23 2.72 702 1.00

GENDERMale -0.03 0.02 -0.07 -0.00 12327 1.00

AGE 0.00 0.00 -0.00 0.00 10474 1.00

LACK\_CONTROLREV 0.00 0.00 -0.00 0.01 15619 1.00

moCLASSREV 0.13 0.02 0.10 0.16 10437 1.00

moINCOME 0.01 0.00 0.00 0.02 7092 1.00

moPOLTICALIDEOLOGY 0.02 0.00 0.01 0.03 10633 1.00

moECOUNJOBREV 0.05 0.01 0.04 0.07 9552 1.00

moECOUNEDUCATIONREV 0.04 0.01 0.02 0.06 8609 1.00

moECOUNFOODREV 0.15 0.02 0.11 0.18 7059 1.00

moECOUNMEDICINEREV 0.06 0.01 0.04 0.08 7535 1.00

moECOUNCASHREV -0.04 0.01 -0.06 -0.02 6824 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moCLASSREV1[1] 0.18 0.05 0.09 0.28 11030 1.00

moCLASSREV1[2] 0.01 0.01 0.00 0.03 14173 1.00

moCLASSREV1[3] 0.12 0.04 0.03 0.21 7049 1.00

moCLASSREV1[4] 0.69 0.06 0.56 0.81 9258 1.00

moINCOME1[1] 0.06 0.06 0.00 0.22 13373 1.00

moINCOME1[2] 0.09 0.08 0.00 0.30 13396 1.00

moINCOME1[3] 0.10 0.09 0.00 0.33 10882 1.00

moINCOME1[4] 0.33 0.15 0.04 0.63 7688 1.00

moINCOME1[5] 0.07 0.07 0.00 0.24 10909 1.00

moINCOME1[6] 0.06 0.05 0.00 0.20 10448 1.00

moINCOME1[7] 0.07 0.07 0.00 0.25 11398 1.00

moINCOME1[8] 0.09 0.08 0.00 0.30 11920 1.00

moINCOME1[9] 0.12 0.10 0.00 0.38 8833 1.00

moPOLTICALIDEOLOGY1[1] 0.06 0.06 0.00 0.21 14594 1.00

moPOLTICALIDEOLOGY1[2] 0.10 0.09 0.00 0.32 14631 1.00

moPOLTICALIDEOLOGY1[3] 0.26 0.15 0.02 0.58 8813 1.00

moPOLTICALIDEOLOGY1[4] 0.30 0.15 0.03 0.61 7783 1.00

moPOLTICALIDEOLOGY1[5] 0.05 0.05 0.00 0.17 12979 1.00

moPOLTICALIDEOLOGY1[6] 0.02 0.02 0.00 0.09 12732 1.00

moPOLTICALIDEOLOGY1[7] 0.02 0.02 0.00 0.08 14143 1.00

moPOLTICALIDEOLOGY1[8] 0.04 0.04 0.00 0.15 14454 1.00

moPOLTICALIDEOLOGY1[9] 0.14 0.09 0.01 0.35 8189 1.00

moECOUNJOBREV1[1] 0.12 0.09 0.00 0.35 12085 1.00

moECOUNJOBREV1[2] 0.79 0.11 0.55 0.96 13550 1.00

moECOUNJOBREV1[3] 0.08 0.07 0.00 0.25 15453 1.00

moECOUNEDUCATIONREV1[1] 0.81 0.13 0.50 0.97 9624 1.00

moECOUNEDUCATIONREV1[2] 0.15 0.12 0.01 0.44 8669 1.00

moECOUNEDUCATIONREV1[3] 0.05 0.05 0.00 0.17 8833 1.00

moECOUNFOODREV1[1] 0.39 0.06 0.28 0.52 8337 1.00

moECOUNFOODREV1[2] 0.23 0.07 0.10 0.37 10518 1.00

moECOUNFOODREV1[3] 0.38 0.08 0.21 0.51 7469 1.00

moECOUNMEDICINEREV1[1] 0.73 0.12 0.49 0.94 9098 1.00

moECOUNMEDICINEREV1[2] 0.15 0.10 0.01 0.36 11914 1.00

moECOUNMEDICINEREV1[3] 0.12 0.09 0.00 0.34 9223 1.00

moECOUNCASHREV1[1] 0.06 0.06 0.00 0.22 8915 1.00

moECOUNCASHREV1[2] 0.27 0.16 0.02 0.63 9965 1.00

moECOUNCASHREV1[3] 0.67 0.17 0.28 0.94 9254 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit8)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(INTERCOUNTRYWARREV) + mo(CIVILWARREV) + mo(TERRORISTATTACKREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.86 0.09 0.71 1.05 735 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.81 0.12 -1.03 -0.57 453 1.01

Intercept[2] 0.54 0.12 0.32 0.78 455 1.01

Intercept[3] 2.17 0.12 1.95 2.41 456 1.01

moINTERCOUNTRYWARREV 0.07 0.01 0.05 0.10 3670 1.00

moCIVILWARREV 0.12 0.01 0.09 0.14 3837 1.00

moTERRORISTATTACKREV -0.06 0.01 -0.09 -0.04 2964 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moINTERCOUNTRYWARREV1[1] 0.63 0.12 0.39 0.85 4224 1.00

moINTERCOUNTRYWARREV1[2] 0.34 0.12 0.11 0.58 4196 1.00

moINTERCOUNTRYWARREV1[3] 0.03 0.03 0.00 0.11 6830 1.00

moCIVILWARREV1[1] 0.65 0.07 0.52 0.79 3878 1.00

moCIVILWARREV1[2] 0.32 0.07 0.18 0.45 4121 1.00

moCIVILWARREV1[3] 0.03 0.03 0.00 0.09 6247 1.00

moTERRORISTATTACKREV1[1] 0.32 0.13 0.04 0.56 2729 1.00

moTERRORISTATTACKREV1[2] 0.05 0.05 0.00 0.18 6047 1.00

moTERRORISTATTACKREV1[3] 0.62 0.13 0.39 0.90 3001 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit9)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(CLASSREV) + mo(INCOME) + mo(POLTICALIDEOLOGY) + GENDER + AGE + mo(INTERCOUNTRYWARREV) + mo(CIVILWARREV) + mo(TERRORISTATTACKREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.85 0.09 0.70 1.04 961 1.00

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.68 0.13 -0.93 -0.43 655 1.01

Intercept[2] 0.68 0.13 0.42 0.92 654 1.01

Intercept[3] 2.31 0.13 2.05 2.55 659 1.01

GENDERMale -0.02 0.02 -0.06 0.01 11425 1.00

AGE -0.00 0.00 -0.00 0.00 10990 1.00

moCLASSREV 0.12 0.02 0.09 0.15 9884 1.00

moINCOME -0.00 0.01 -0.01 0.01 6905 1.00

moPOLTICALIDEOLOGY 0.02 0.00 0.01 0.03 10199 1.00

moINTERCOUNTRYWARREV 0.07 0.01 0.05 0.10 7671 1.00

moCIVILWARREV 0.12 0.01 0.09 0.14 7715 1.00

moTERRORISTATTACKREV -0.06 0.01 -0.09 -0.04 6380 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moCLASSREV1[1] 0.12 0.05 0.02 0.22 8148 1.00

moCLASSREV1[2] 0.01 0.01 0.00 0.03 13091 1.00

moCLASSREV1[3] 0.10 0.05 0.02 0.20 9143 1.00

moCLASSREV1[4] 0.77 0.06 0.64 0.90 8274 1.00

moINCOME1[1] 0.14 0.12 0.00 0.46 10119 1.00

moINCOME1[2] 0.11 0.09 0.00 0.36 12927 1.00

moINCOME1[3] 0.10 0.09 0.00 0.33 12376 1.00

moINCOME1[4] 0.10 0.10 0.00 0.38 9488 1.00

moINCOME1[5] 0.10 0.09 0.00 0.34 12253 1.00

moINCOME1[6] 0.11 0.10 0.00 0.37 11454 1.00

moINCOME1[7] 0.11 0.10 0.00 0.36 11236 1.00

moINCOME1[8] 0.12 0.10 0.00 0.38 9895 1.00

moINCOME1[9] 0.12 0.10 0.00 0.38 9419 1.00

moPOLTICALIDEOLOGY1[1] 0.06 0.06 0.00 0.22 13923 1.00

moPOLTICALIDEOLOGY1[2] 0.11 0.09 0.00 0.34 13254 1.00

moPOLTICALIDEOLOGY1[3] 0.29 0.16 0.02 0.61 9176 1.00

moPOLTICALIDEOLOGY1[4] 0.26 0.15 0.02 0.57 7295 1.00

moPOLTICALIDEOLOGY1[5] 0.06 0.05 0.00 0.20 12646 1.00

moPOLTICALIDEOLOGY1[6] 0.03 0.03 0.00 0.09 11973 1.00

moPOLTICALIDEOLOGY1[7] 0.02 0.02 0.00 0.08 12583 1.00

moPOLTICALIDEOLOGY1[8] 0.04 0.04 0.00 0.15 12151 1.00

moPOLTICALIDEOLOGY1[9] 0.13 0.09 0.01 0.34 7862 1.00

moINTERCOUNTRYWARREV1[1] 0.63 0.12 0.38 0.85 7980 1.00

moINTERCOUNTRYWARREV1[2] 0.34 0.12 0.12 0.59 7765 1.00

moINTERCOUNTRYWARREV1[3] 0.03 0.03 0.00 0.11 14201 1.00

moCIVILWARREV1[1] 0.65 0.07 0.51 0.79 8269 1.00

moCIVILWARREV1[2] 0.32 0.07 0.18 0.46 8276 1.00

moCIVILWARREV1[3] 0.03 0.03 0.00 0.10 11898 1.00

moTERRORISTATTACKREV1[1] 0.33 0.13 0.06 0.56 6215 1.00

moTERRORISTATTACKREV1[2] 0.05 0.05 0.00 0.17 11122 1.00

moTERRORISTATTACKREV1[3] 0.62 0.13 0.39 0.89 6599 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).

> summary(fit10)

Family: cumulative

Links: mu = logit; disc = identity

Formula: DOMINANCEREV ~ mo(CLASSREV) + mo(INCOME) + mo(POLTICALIDEOLOGY) + GENDER + AGE + mo(ECOUNJOBREV) + mo(ECOUNEDUCATIONREV) + mo(ECOUNFOODREV) + mo(ECOUNMEDICINEREV) + mo(ECOUNCASHREV) + (LACK\_CONTROLREV) + mo(INTERCOUNTRYWARREV) + mo(CIVILWARREV) + mo(TERRORISTATTACKREV) + (1 | COUNTRY\_NAME)

Data: dat (Number of observations: 52325)

Samples: 4 chains, each with iter = 5000; warmup = 2500; thin = 1;

total post-warmup samples = 10000

Group-Level Effects:

~COUNTRY\_NAME (Number of levels: 54)

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

sd(Intercept) 0.86 0.09 0.71 1.06 883 1.01

Population-Level Effects:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

Intercept[1] -0.40 0.13 -0.66 -0.15 511 1.01

Intercept[2] 0.96 0.13 0.70 1.22 512 1.01

Intercept[3] 2.59 0.13 2.34 2.85 517 1.01

GENDERMale -0.03 0.02 -0.06 0.00 13356 1.00

AGE -0.00 0.00 -0.00 0.00 10642 1.00

LACK\_CONTROLREV 0.00 0.00 -0.00 0.01 15878 1.00

moCLASSREV 0.13 0.02 0.10 0.16 10006 1.00

moINCOME 0.01 0.00 0.00 0.02 6788 1.00

moPOLTICALIDEOLOGY 0.02 0.00 0.01 0.03 10312 1.00

moECOUNJOBREV 0.05 0.01 0.03 0.06 8372 1.00

moECOUNEDUCATIONREV -0.02 0.01 -0.04 0.01 3824 1.00

moECOUNFOODREV 0.15 0.02 0.11 0.18 7741 1.00

moECOUNMEDICINEREV 0.06 0.01 0.04 0.08 8157 1.00

moECOUNCASHREV -0.04 0.01 -0.06 -0.01 8074 1.00

moINTERCOUNTRYWARREV 0.06 0.01 0.03 0.08 7497 1.00

moCIVILWARREV 0.11 0.01 0.08 0.13 7907 1.00

moTERRORISTATTACKREV -0.05 0.01 -0.08 -0.03 6359 1.00

Simplex Parameters:

Estimate Est.Error l-95% CI u-95% CI Eff.Sample Rhat

moCLASSREV1[1] 0.18 0.05 0.08 0.28 8963 1.00

moCLASSREV1[2] 0.01 0.01 0.00 0.04 12877 1.00

moCLASSREV1[3] 0.12 0.04 0.04 0.21 9597 1.00

moCLASSREV1[4] 0.69 0.06 0.56 0.81 9535 1.00

moINCOME1[1] 0.07 0.06 0.00 0.23 15090 1.00

moINCOME1[2] 0.10 0.08 0.00 0.31 13790 1.00

moINCOME1[3] 0.10 0.09 0.00 0.33 11994 1.00

moINCOME1[4] 0.31 0.15 0.04 0.60 7835 1.00

moINCOME1[5] 0.07 0.07 0.00 0.25 10877 1.00

moINCOME1[6] 0.06 0.06 0.00 0.21 11452 1.00

moINCOME1[7] 0.08 0.07 0.00 0.26 12001 1.00

moINCOME1[8] 0.09 0.08 0.00 0.30 12021 1.00

moINCOME1[9] 0.13 0.11 0.00 0.40 7946 1.00

moPOLTICALIDEOLOGY1[1] 0.07 0.06 0.00 0.23 15627 1.00

moPOLTICALIDEOLOGY1[2] 0.11 0.09 0.00 0.33 13120 1.00

moPOLTICALIDEOLOGY1[3] 0.27 0.16 0.02 0.60 7167 1.00

moPOLTICALIDEOLOGY1[4] 0.27 0.15 0.02 0.58 6227 1.00

moPOLTICALIDEOLOGY1[5] 0.05 0.05 0.00 0.18 12632 1.00

moPOLTICALIDEOLOGY1[6] 0.03 0.03 0.00 0.10 13158 1.00

moPOLTICALIDEOLOGY1[7] 0.02 0.02 0.00 0.08 13728 1.00

moPOLTICALIDEOLOGY1[8] 0.04 0.04 0.00 0.15 13414 1.00

moPOLTICALIDEOLOGY1[9] 0.14 0.10 0.01 0.36 7351 1.00

moECOUNJOBREV1[1] 0.12 0.09 0.00 0.35 14608 1.00

moECOUNJOBREV1[2] 0.75 0.12 0.48 0.95 14187 1.00

moECOUNJOBREV1[3] 0.13 0.09 0.01 0.34 14007 1.00

moECOUNEDUCATIONREV1[1] 0.14 0.16 0.00 0.67 3236 1.00

moECOUNEDUCATIONREV1[2] 0.19 0.16 0.01 0.62 10752 1.00

moECOUNEDUCATIONREV1[3] 0.67 0.22 0.07 0.96 3830 1.00

moECOUNFOODREV1[1] 0.39 0.06 0.28 0.52 8524 1.00

moECOUNFOODREV1[2] 0.22 0.07 0.09 0.37 9822 1.00

moECOUNFOODREV1[3] 0.39 0.08 0.22 0.52 8205 1.00

moECOUNMEDICINEREV1[1] 0.72 0.12 0.48 0.93 8308 1.00

moECOUNMEDICINEREV1[2] 0.15 0.10 0.01 0.37 10322 1.00

moECOUNMEDICINEREV1[3] 0.13 0.10 0.00 0.35 9379 1.00

moECOUNCASHREV1[1] 0.07 0.07 0.00 0.25 10182 1.00

moECOUNCASHREV1[2] 0.29 0.17 0.03 0.68 10061 1.00

moECOUNCASHREV1[3] 0.64 0.18 0.22 0.92 8886 1.00

moINTERCOUNTRYWARREV1[1] 0.58 0.15 0.25 0.86 7640 1.00

moINTERCOUNTRYWARREV1[2] 0.38 0.15 0.10 0.70 7617 1.00

moINTERCOUNTRYWARREV1[3] 0.04 0.04 0.00 0.14 14603 1.00

moCIVILWARREV1[1] 0.65 0.08 0.50 0.81 10495 1.00

moCIVILWARREV1[2] 0.31 0.08 0.16 0.46 10093 1.00

moCIVILWARREV1[3] 0.03 0.03 0.00 0.11 13624 1.00

moTERRORISTATTACKREV1[1] 0.37 0.15 0.04 0.64 5607 1.00

moTERRORISTATTACKREV1[2] 0.06 0.06 0.00 0.21 11931 1.00

moTERRORISTATTACKREV1[3] 0.57 0.15 0.31 0.88 6468 1.00

Samples were drawn using sampling(NUTS). For each parameter, Eff.Sample

is a crude measure of effective sample size, and Rhat is the potential

scale reduction factor on split chains (at convergence, Rhat = 1).