Subset with Means

Wednesday, January 20, 2021   1:35 PM

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Call:
bpnme(pred.I = y ~ age + gender + hand + (1 | writer), data = mean_subset)
MCMC:
iterations = 1000
burn-in = 1
lag = 1
Model Fit:
        Statistic Parameters
lppd      -86.92905    8.00000
DIC       374.07736   92.43393
DIC.alt 1967.53850  889.16450
WAIC      389.42875  107.78533
WAIC2     425.24732  125.69461
Fixed Effects
Linear Coefficients
Component I:
                  mean        mode        sd      LB HPD      UB HPD
(Intercept) -3.1164216 -3.1632538 0.4786974 -4.1162997 -2.2247621
age41+       1.0890315  1.1359066 0.2984957  0.5031684  1.6592623
gendermale   0.1214036  0.1072082 0.2877874 -0.4732232  0.6761817
handright   -0.2746898 -0.4081508 0.4827428 -1.2009227  0.6822033
Component II:
                  mean        mode        sd      LB HPD     UB HPD
(Intercept) -0.03926847 0.06631036 0.6134295 -1.2709650 1.141093
age41+        1.32186045 1.37273832 0.3995169  0.5041213 2.093308
gendermale    0.60026635 0.63848807 0.3943261 -0.1093604 1.383132
handright     0.70501890 0.78992247 0.5995099 -0.3386654 1.964616
Circular Coefficients
Continuous variables:
[1] "There are no numeric predictors in the model"
Categorical variables:
Means:
                       mean      mode         sd        LB       UB
(Intercept)        -3.128492 3.127843 0.19388488 2.790156 3.555014
age41+              2.590118 2.617459 0.25124098 2.092891 3.080104
gendermale         2.959560 2.929032 0.20077806 2.555835 3.341669
handright          2.948481 2.951579 0.09221219 2.788135 3.147286
age41+gendermale   2.374290 2.231989 0.23397700 1.947025 2.874104
age41+handright    2.432120 2.425618 0.09578056 2.265811 2.637975
gendermalehandright 2.773604 2.782239 0.08982604 2.609882 2.959418
Differences:
                        mean      mode        sd           LB        UB
age41+             0.5633472 0.4597805 0.1802893  0.219798810 0.9190213
gendermale         0.1948558 0.1566438 0.1306023 -0.044388797 0.4653356
handright          0.2062986 0.1857232 0.1875420 -0.134059639 0.5837266
age41+gendermale   0.7789782 0.7101067 0.2283863  0.368232833 1.2505129
age41+handright    0.7224922 0.6443460 0.2147763  0.280975568 1.1160043
gendermalehandright 0.3811269 0.3600625 0.2159729 -0.005667577 0.8494865
Random Effects
Linear Coefficients
Component I:
       mean      mode        sd     LB HPD    UB HPD
RI 1.392324 1.188925 0.3395662 0.8339599 2.083886
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Component II:
        mean      mode         sd    LB HPD   UB HPD
RI 2.820782 2.652992 0.5664442 1.832535 3.99346
Circular Coefficients
mean      mode          sd         LB         UB
RI 0.8728667 0.8936089 0.04009891 0.7922953 0.9355465
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