Stats results: mGPT fixed spillover

2 spillover words are included in the model for all the seven languages

English

- Anova(control, linear): **+, p<0.001**

- Anova(linear, nonlinear): ns, p=0.9354

- Summary of the nonlinear model:

```
Fixed effects:
              Estimate Std. Error t value
(Intercept)  245.3329     7.9170  30.988
logp.s        -6.8320     0.9582  -7.130
logp1.s       -1.1142     0.6091  -1.829
logp2.s        1.3574     0.5781   2.348
logfreq.s    -12.0479     1.5921  -7.567
logfreq1.s    -4.5633     0.8940  -5.105
logfreq2.s    -1.7040     0.4775  -3.569
wlen.s        19.3279     3.0699   6.296
wlen1.s        0.1291     0.5961   0.217
wlen2.s        0.2134     0.4651   0.459
I(logp.s^2)    0.9683     0.6241   1.551
I(logp1.s^2)   0.1475     0.2014   0.732
I(logp2.s^2)  -0.1122     0.1817  -0.618
```

Danish

- Anova(control, linear): **+, p=0.01117**

- Anova(linear, nonlinear): ns, p=0.2887

- Summary of the nonlinear model:

```
Fixed effects:
            Estimate Std. Error t value
(Intercept)  266.36171    7.60121  35.042
logp.s        -4.19670    1.27063  -3.303
logp1.s        0.83938    1.00777   0.833
logp2.s        1.90573    0.77752   2.451
logfreq.s    -16.51964    1.56424 -10.561
logfreq1.s    -2.43748    0.72553  -3.360
logfreq2.s    -3.91172    0.63402  -6.170
wlen.s        29.44040    2.36025  12.473
wlen1.s        1.59147    0.96622   1.647
wlen2.s        2.61558    0.62354   4.195
I(logp.s^2)   -1.27608    0.68316  -1.868
I(logp1.s^2)   0.23350    0.22430   1.041
I(logp2.s^2)   0.05118    0.16026   0.319
```

Dutch

- Anova(control, linear): **+, p<0.001**

- Anova(linear, nonlinear): ns, p=0.1007

- Summary of the nonlinear model:

```
Fixed effects:
             Estimate Std. Error t value
(Intercept)  204.951044   5.126503  39.979
logp.s        -2.094555   0.273141  -7.668
logp1.s       -2.001413   0.277653  -7.208
logp2.s        1.445814   0.269059   5.374
logfreq.s     -5.113641   0.242854 -21.056
logfreq1.s     0.778634   0.254360   3.061
logfreq2.s    -1.820202   0.250611  -7.263
wlen.s         0.160291   0.217572   0.737
wlen1.s       -2.118342   0.242266  -8.744
wlen2.s        2.236586   0.234575   9.535
I(logp.s^2)   -0.417771   0.172103  -2.427
I(logp1.s^2)  -0.036614   0.073621  -0.497
I(logp2.s^2)   0.003834   0.072185   0.053
```

Russian

- Anova(control, linear): **+, p<0.001**

- Anova(linear, nonlinear): **+, p=0.02613**

- Summary of the nonlinear model:

```
Fixed effects:
             Estimate Std. Error t value
(Intercept) 252.17291    4.08192  61.778
logp.s       -8.36346    1.10689  -7.556
logp1.s       2.05552    0.99384   2.068
logp2.s       1.15935    1.03857   1.116
logfreq.s   -10.21144    1.21544  -8.401
logfreq1.s   -1.80406    1.22921  -1.468
logfreq2.s   -5.08903    1.23911  -4.107
wlen.s       17.55907    2.09547   8.380
wlen1.s      -2.62540    1.21714  -2.157
wlen2.s      -0.42737    1.05358  -0.406
I(logp.s^2)   2.26992    0.78684   2.885
I(logp1.s^2)  0.69165    0.55739   1.241
I(logp2.s^2) -0.07656    0.57849  -0.132
```

German

- Anova(control, linear): **+, p<0.001**

- Anova(linear, nonlinear): **+, p<0.001**

- Summary of the nonlinear model:

```
Fixed effects:
            Estimate Std. Error t value
(Intercept) 211.6958     1.9335 109.486
logp.s      -10.6234     0.6447 -16.478
logp1.s       0.6416     0.6081   1.055
logp2.s       2.8054     0.7029   3.991
logfreq.s    -2.3668     0.7854  -3.013
logfreq1.s   -9.1793     0.8430 -10.888
logfreq2.s   -5.6732     0.7727  -7.342
wlen.s       -3.5186     0.7517  -4.681
wlen1.s       2.3207     0.5944   3.904
wlen2.s       0.7837     0.5733   1.367
```

```
I(logp.s^2)    2.7236    0.4506   6.044
I(logp1.s^2)  -0.8165    0.3409  -2.395
I(logp2.s^2)   0.6542    0.2745   2.383
```

Japanese

- Anova(control, linear): **+, p<0.001**

- Anova(linear, nonlinear): **+, p<0.001**

- Summary of the nonlinear model:

```
Fixed effects:
             Estimate Std. Error t value
(Intercept)   347.959     28.787  12.087
logp.s        -64.922     11.366  -5.712
logp1.s        19.551      6.319   3.094
logp2.s         1.091      4.895   0.223
logfreq.s     -26.559      4.891  -5.430
logfreq1.s     -3.478      3.766  -0.924
logfreq2.s      5.718      2.993   1.910
wlen.s        137.548     12.448  11.050
wlen1.s         3.298      4.315   0.764
wlen2.s        16.475      4.208   3.916
I(logp.s^2)    10.064      9.640   1.044
I(logp1.s^2)    4.814      1.321   3.645
I(logp2.s^2)   -5.472      1.835  -2.982
```

Chinese

- Anova(control, linear): **+, p=0.04307**

- Anova(linear, nonlinear): ns, p=0.855

- Summary of the nonlinear model:

```
Fixed effects:
             Estimate Std. Error t value
(Intercept) 253.39376    5.64997  44.849
logp.s       -1.50151    1.68280  -0.892
```

```
logp1.s        -1.01788    1.29851   -0.784
logp2.s         3.11860    1.50046    2.078
logfreq.s     -15.08239    2.01656   -7.479
logfreq1.s      0.15374    1.85726    0.083
logfreq2.s     -2.51905    1.77177   -1.422
wlen.s         15.27006    1.86502    8.188
wlen1.s        -0.89685    1.67649   -0.535
wlen2.s        -0.05885    1.69711   -0.035
I(logp.s^2)    -0.36850    1.00456   -0.367
I(logp1.s^2)    0.30228    0.81635    0.370
I(logp2.s^2)   -0.64994    0.84967   -0.765
```