Stats results: mGPT adapted spillover

English

- Justified up to 2 spillover words
- 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

- Justified up to 3 spillover words
- Anova(control, linear): **+, p < 0.001**
- Anova(linear, nonlinear): ns, p=0.4271

- Summary of the nonlinear model:

```
Fixed effects:
               Estimate Std. Error t value
(Intercept)  266.495374   7.813823  34.106
logp.s        -4.583432   1.288962  -3.556
logp1.s        0.601724   1.074692   0.560
logp2.s        1.639928   0.819245   2.002
logp3.s        1.111644   0.748490   1.485
logfreq.s    -16.247426   1.564537 -10.385
logfreq1.s    -2.293178   0.724130  -3.167
logfreq2.s    -3.828295   0.662276  -5.781
logfreq3.s    -2.247878   0.580675  -3.871
wlen.s        29.448511   2.434587  12.096
wlen1.s        1.570602   0.994994   1.579
wlen2.s        2.712594   0.643915   4.213
wlen3.s       -0.162162   0.704089  -0.230
I(logp.s^2)   -1.320399   0.689498  -1.915
I(logp1.s^2)   0.210030   0.238611   0.880
I(logp2.s^2)   0.002224   0.161500   0.014
I(logp3.s^2)   0.009963   0.156696   0.064
```

Dutch

- Justified up to 3 spillover words
- Anova(control, linear): **+, p < 0.001**
- Anova(linear, nonlinear): **-, p = 0.02**
- Summary of the nonlinear model:

```
Fixed effects:
              Estimate Std. Error t value
(Intercept)  204.92179    5.12742  39.966
logp.s        -2.42130    0.27806  -8.708
logp1.s       -2.29066    0.28136  -8.141
logp2.s        1.21916    0.27530   4.428
logp3.s        1.48879    0.27366   5.440
logfreq.s     -4.94692    0.24422 -20.256
logfreq1.s     0.88735    0.25512   3.478
logfreq2.s    -1.81839    0.25140  -7.233
logfreq3.s    -0.49239    0.25225  -1.952
wlen.s         0.11283    0.21780   0.518
```

```
wlen1.s       -2.12785    0.24251  -8.774
wlen2.s        2.17138    0.23576   9.210
wlen3.s        1.35465    0.23498   5.765
I(logp.s^2)   -0.45342    0.17218  -2.633
I(logp1.s^2)  -0.07506    0.07382  -1.017
I(logp2.s^2)  -0.02894    0.07256  -0.399
I(logp3.s^2)   0.12965    0.06969   1.860
```

Russian

- Justified up to 3 spillover words
- 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)  250.3438     4.1646  60.113
logp.s        -8.6118     1.1356  -7.583
logp1.s        1.4932     1.0112   1.477
logp2.s        1.1784     1.0529   1.119
logp3.s        4.5845     0.9737   4.708
logfreq.s     -9.3842     1.2143  -7.728
logfreq1.s    -2.2434     1.2791  -1.754
logfreq2.s    -4.4971     1.2464  -3.608
logfreq3.s    -5.1768     1.1164  -4.637
wlen.s        17.8087     2.1063   8.455
wlen1.s       -3.2947     1.2366  -2.664
wlen2.s        0.6817     1.0890   0.626
wlen3.s        1.5744     0.9321   1.689
I(logp.s^2)    2.6454     0.8066   3.280
I(logp1.s^2)   0.6759     0.5660   1.194
I(logp2.s^2)  -0.2603     0.5787  -0.450
I(logp3.s^2)   2.3884     0.4664   5.121
```

German

- Justified up to 3 spillover words

- 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)  213.5962     1.9995 106.827
logp.s       -10.7110     0.6487 -16.512
logp1.s        0.4856     0.6293   0.772
logp2.s        2.2709     0.7404   3.067
logp3.s       -0.4599     0.7280  -0.632
logfreq.s     -2.8230     0.7902  -3.573
logfreq1.s    -9.2901     0.8494 -10.938
logfreq2.s    -5.3048     0.7943  -6.679
logfreq3.s     0.6372     0.7660   0.832
wlen.s        -3.9212     0.7663  -5.117
wlen1.s        2.0389     0.6096   3.345
wlen2.s        0.6314     0.5741   1.100
wlen3.s        0.6337     0.5039   1.258
I(logp.s^2)    2.4396     0.4501   5.421
I(logp1.s^2)  -0.9113     0.3421  -2.664
I(logp2.s^2)   0.6523     0.2771   2.354
I(logp3.s^2)  -1.6350     0.3058  -5.346
```

Japanese

- Justified up to 0 spillover words
- Anova(control, linear): **+, p < 0.001**
- Anova(linear, nonlinear): ns, p=0.3535
- Summary of the nonlinear model:

```
Fixed effects:
            Estimate Std. Error t value
(Intercept)  348.813     28.891  12.074
logp.s       -59.294     10.155  -5.839
logfreq.s    -26.775      4.865  -5.503
wlen.s       142.878     12.838  11.129
I(logp.s^2)    8.735      9.347   0.935
```

Chinese

- Justified up to 0 spillover words
- Anova(control, linear): ns, p=0.2746
- Anova(linear, nonlinear): ns, p=0.4873
- Summary of the nonlinear model:

```
Fixed effects:
            Estimate Std. Error t value
(Intercept) 253.0500     5.5353  45.716
logp.s       -1.3682     1.0807  -1.266
logfreq.s   -15.3305     2.3151  -6.622
wlen.s       15.4198     1.3973  11.035
I(logp.s^2)  -0.4756     0.6847  -0.695
```