

# 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(poly1, poly2): 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