

Benchmark	SG	MU	BiMU
WS-353	47.85	47.83	53.59
WS-353-SIM	56.56	56.34	63.27
WS-353-REL	42.31	44.93	48.26
MC-30	53.24	48.46	61.55
RG-65	43.62	46.95	53.79
Rare-Word	37.28	38.04	40.96
MEN	38.93	47.71	51.23
MTurk-287	41.99	52.18	59.06
MTurk-771	39.01	41.01	45.18
YP-130	8.6	16.14	18.59
SimLex-999	19.04	23.04	23.04
Verb-143	25.37	31.26	37.18
<i>Average</i>	37.82	41.16	46.31

Table 1: RU-EN.

Benchmark	SG	MU	BiMU
WS-353	48.04	44.23	48.92
WS-353-SIM	55.23	54.84	58.56
WS-353-REL	41.6	36.2	37.28
MC-30	41.28	43.15	45.82
RG-65	40.94	43.33	43.62
Rare-Word	42.29	40.83	40.34
MEN	46.21	47.92	51.69
MTurk-287	48.16	47.92	54.17
MTurk-771	42.22	45.09	43.27
YP-130	27.48	19.48	32.14
SimLex-999	15.88	13.95	15.76
Verb-143	25.33	6.29	31.35
<i>Average</i>	39.56	36.94	41.91

Table 2: CZ-EN.

Benchmark	SG	MU	BiMU
WS-353	51.91	46.73	48.85
WS-353-SIM	64.1	58.65	62.38
WS-353-REL	42.65	38.09	40.3
MC-30	53.55	46.93	43.55
RG-65	52.63	44.27	44.24
Rare-Word	43.31	39.54	42.32
MEN	52.58	51.68	51.11
MTurk-287	59.03	59.42	60.12
MTurk-771	47.91	45.59	45.99
YP-130	31.56	31.22	36.6
SimLex-999	26.92	24.59	25.24
Verb-143	29.6	16.89	21.77
<i>Average</i>	46.31	41.97	43.54

Table 3: FR-EN.

Benchmark	SG	MU	BiMU
WS-353	29.19	37.82	41.94
WS-353-SIM	43.4	48.03	53.92
WS-353-REL	23.44	35.43	36.52
Rare-Word	22.38	25.24	34.46
MEN	24.14	17.54	22.85
MTurk-287	8.92	29.34	24.85
MTurk-771	26.04	30.43	32.42
YP-130	-6.62	15.43	27.04
SimLex-999	7.47	7.71	10.36
Verb-143	20.17	25	27.31
<i>Average</i>	19.85	27.20	31.17

Table 4: ES-EN (NC).

Benchmark	SG	MU	BiMU
News-de			
WS-353	32.12	42.18	46.67
WS-353-SIM	50.45	49.79	54.71
WS-353-REL	23.74	38.4	42.95
Rare-Word	18.56	30.31	26.65
MEN	23.14	20.73	17.89
MTurk-287	4.68	27.8	29.82
MTurk-771	22.44	30.64	35.66
YP-130	5.73	9.79	16.73
SimLex-999	8.13	9.49	11.57
Verb-143	17.87	25.1	25.59
<i>Average</i>	20.69	28.42	30.82

Table 5: DE-EN (NC).

Benchmark	SG	MU	BiMU
WS-353	31.93	38.43	37.77
WS-353-SIM	47.98	44.92	47.23
WS-353-REL	25.5	33.26	30.08
Rare-Word	19.54	22.89	33.8
MEN	25.7	21.37	24.17
MTurk-287	-0.91	29.72	24.49
MTurk-771	21.61	26.07	35.46
YP-130	-2.73	17.57	16.55
SimLex-999	5.57	7.41	8.77
Verb-143	18.88	31.63	25.33
<i>Average</i>	19.31	27.33	28.37

Table 6: RU-EN (NC).

Benchmark	SG	MU	BiMU
WS-353	27.46	36	39.8
WS-353-SIM	44.22	48.29	49.6
WS-353-REL	20.8	31.84	35.2
Rare-Word	9.98	25.64	24.98
MEN	22.03	18.72	20.32
MTurk-287	-8.31	28.16	10.4
MTurk-771	17.55	33.6	30.41
YP-130	0.9	4.78	18.57
SimLex-999	2.78	8.88	6.46
Verb-143	20.92	30.42	18.31
<i>Average</i>	15.83	26.63	25.41

Table 7: CZ-EN (NC).

Benchmark	SG	MU	BiMU
WS-353	30.91	37.32	40.26
WS-353-SIM	44.78	46.06	49.42
WS-353-REL	25.15	33.88	34.09
Rare-Word	18.97	31.05	33.93
MEN	21	20.49	21.4
MTurk-287	-2.48	21.05	26.21
MTurk-771	19.93	32.04	35.71
YP-130	-2.86	15	11.05
SimLex-999	6.59	7.31	5.95
Verb-143	16.78	15.78	17.7
<i>Average</i>	17.88	26.00	27.57

Table 8: FR-EN (NC).