

Multi-*target* MT

Johnson et al. 2016 (Google)

- Sanity check: must not make things worse.

Table 2: One to Many: BLEU scores on various data sets for single language pair and multilingual models.

Model	Single	Multi	Diff
WMT English→German (oversampling)	24.67	24.97	+0.30
WMT English→French (oversampling)	38.95	36.84	-2.11
WMT English→German (no oversampling)	24.67	22.61	-2.06
WMT English→French (no oversampling)	38.95	38.16	-0.79
Prod English→Japanese	23.66	23.73	+0.07
Prod English→Korean	19.75	19.58	-0.17
Prod English→Spanish	34.50	35.40	+0.90
Prod English→Portuguese	38.40	38.63	+0.23