

Morphology

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Assignment II

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The words chosen for this experiment are selected from the corpus SUBTLEX-US, based on the presence of the -ity suffix, and their frequency in the corpus. The selected words are listed in the second column of table 1, together with their base form and their frequency in the aforementioned corpus. The first group are the pairs of words with the relevant suffix with a high frequency, the second group are the filler words with a high frequency and the last two groups are the same, but for a low frequency.

Based on the contents of section 4.2, the closeness judgements of the latter two groups (low frequency) are expected to be higher than those of the first two groups.

From the result of the experiment, the prediction is somewhat supported. There is a slightly higher average closeness judgement for the words with a low frequency (see last column of table 1).

Pair				NL	NL	NL	UK	US	UK		
Base	Inflection	Freq		P1	P2	P3	P4	P5	P6		
real	reality	1543		7	5	7	5	4	2		
person	personality	811		5	3	4	4	4	2		
moral	morality	189		4	5	6	3	7	7		
brute	brutality	112		7	5	2	4	3	2		
mental	mentality	108		5	1	2	6	3	2		
equal	equality	97		7	6	5	5	6	6		
nude	nudity	89		6	7	7	4	7	7		
technical	technicality	61		5	6	2	5	2	2		
walk	walking	3826		6	7	7	5	5	7		
environment	environmental	167		5	7	6	6	6	6		
connect	connection	1386		7	7	5	3	5	6		
true	truly	1830		5	7	3	5	4	5		
verb	verbal	149		3	5	1	2	1	1		
crime	criminality	6		7	5	6	6	4	6		
trivial	triviality	5		7	5	5	6	5	6		
fluid	fluidity	4		6	3	6	4	2	4		
crude	crudity	4		7	6	6	7	5	5		
function	functionality	4		5	5	6	6	4	4		
general	generality	4		6	4	6	5	3	4		
music	musicality	1		5	4	5	6	2	6		
proportion	proportionality	1		6	6	6	6	6	7		
plural	plurality	1		3	4	4	4	3	7		
life	lifelessly	2		6	3	3	5	1	5		
envison	envisaged	5		7	6	7	5	6	7		
phenotype	phenotypes	1		6	7	7	7	7	7		
clank	clanked	2		7	4	4	7	1	7		
colour	colourable	4		6	7	4	5	2	3		
			AVG P HF	5,8	4,8	4,3	4,5	4,5	3,8		4,6
			AVG F HF	5,2	6,6	4,4	4,2	4,2	5,0		4,9
			AVG P LF	5,8	4,7	5,6	5,6	3,8	5,4		5,1
			AVG F LV	6,4	5,4	5,0	5,8	3,4	5,8		5,3

Table 1: Word pairs with corpus frequency and test subject scores