

Supplement

Tracing the evolution of personality cognition in early human civilisations: A computational analysis of the Gilgamesh epic

Supplementary Table S1 Adjective list for Sumerian, Old Babylonian, and Standard Babylonian texts.

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
able	1		2	3	O		
afraid	1	1	9	3	N		
alive		1	2	3	E		
alone	4			3	E		
angry	1	1	5	3	A		
awake		1	7	2	E		
awesome		1		2	NA		
beloved	6			3	A		
big	2			3	NA		
bold			2	3	E		E
bonny			2	2	NA		
brave			4	3	E		
bright	2	6		2	E		
calm			3	3	N		
capable	5			2	C	C	
captive	12		1	2	NA		
carefree			1	2	E		

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
careful			1	3	C		C
clean		1	2	0	NA		
clever			6	2	O		
comely		2	2	3	NA		
confused			4	3	C		
dead	6	1	2	3	NA		
deceitful	1		1	3	A		
deft			1	2	C		
dread			1	0	NA		
equal		4	1	3	NA		
erect		1		2	NA		
eternal		2		3	NA		
exalted		1	1	2	E		
experienced		1	6	2	C		
expert			2	2	C		
fair			3	2	A		
favourite	3			2	NA		
fearful			3	3	N	N	N
fearsome	1		1	0	NA		
feeble		1	2	2	NA		

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
ferocious		2	2	2	A		
fierce			2	2	E		
fine	2	1	3	2	NA		
free	3	1	6	2	N		
frightened		1		3	N		
full		1		3	NA		
furious			2	3	A		
glad		2	2	2	E		
gleaming	2		2	2	NA		
glorious			2	2	NA		
great	10	1	16	3	NA		
grim			1	0	NA		
guilty	1			3	NA		
handsome			2	3	NA		
happy	5	4	2	3	E		
heart-stricken	4			2	E		
hollow			6	2	NA		
holy	14		2	2	NA		
hostile			1	3	A	A	
intent			1	2	NA		

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
limp		1	2	3	NA		
little	3		2	3	NA		
living			4	3	NA		
lofty	1			3	NA		
lordly	2			3	NA		
majestic			3	2	NA		
male			1	3	NA		
merry		3	2	2	E	E	
mighty	3	5	19	2	E		
mortal	4			3	NA		
murderous			1	3	A		
noble	5			2	NA		
old	1	1	2	3	NA		
pale		5		2	NA		
parched			1	3	NA		
perfect	2		4	3	NA		
pitiless			4	2	A		
powerful			2	3	E		
precious	4		1	3	NA		
preeminent			2	3	NA		

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
present			1	3	NA		
professional			1	3	NA		
prostrate	1		2	3	NA		
pure	16		3	2	NA		
quiet			3	3	E	E	E
restless			1	2	N		
rich			1	3	NA		
royal	1			3	NA		
sad		1		2	E		
safe		1	3	3	NA		
savage			1	2	E		
shining	2	1		3	NA		
sick	6	2	3	2	E		
silent			4	3	E	E	
sinful			1	2	NA		
single	2			3	NA		
skillful			2	2	O		
slow			1	2	E		
steadfast	3			2	C		
stiff			1	3	NA		

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
strange		9	2	2	NA		
strong			2	2	E		
sunken			1	2	NA		
superb			1	3	NA		
sweet-voiced			1	2	NA		
tall	3		3	3	NA		
terrible			1	2	A		
terrifying	3		1	2	A		
troubled			1	2	N		
unattached	2			2	N		
unconscious			1	2	NA		
unhappy			1	2	E		
unknown	1			3	NA		
unsleeping			2	2	NA		
vexed		2		0	NA		
wakeful	1		1	2	NA		
wasted			6	2	E		
weak		1	2	2	NA		
weary		1	1	2	E		
wet-faced			1	2	E		

<!--Col Count:9-->Adjective	Sumerian	OB	SB	Present Study Assignment		Ashton	Goldberg
				Agreement (Score: 1-3)	Decision		
wide			1	2	O		
wild	6	3	6	3	E		
wise		1	12	3	O		
woeful			1	0	NA		
worried		1		3	N		
wretched			6	2	E		
wrong	1			2	NA		
young	28	10	20	3	NA		
Number present	45	40	97				

Note. For classification based on Wood's dictionary: O = Intellect/Openness, E = Extraversion, N = Neuroticism (Emotional stability), C = Conscientiousness, A = Agreeableness, NA= not classified; for matches to Ashton et al.'s (2004) loadings from Goldberg's (1982) word set: N = Neuroticism, C = Conscientiousness, A = Agreeableness, E= Extraversion (note that we only listed words as classified into one of the five factors if they showed primary loadings of > .30 and no cross-loadings > .20); for matches to Goldberg's (1990) set of 339 terms listed under 100 clusters: E = Surgency (Extraversion), C = Conscientiousness, N = Emotional stability (neuroticism).

Supplementary Table S2 Person descriptors positioned at the extreme ends of each MDS dimension per epoch.

<!--Col Count:8-->		Dim 1			Dim 2	
	Negative pole		Positive pole	Negative pole		Positive pole
Sumerian	heartstricken, dead, fine, sound, sick, happy, beloved, inspire, afraid, do wrong,	vs	reach across, escape, go near, compass, take pleasure, shine, wrench,	bare lap, many, little, make off, answer, respect, own, help, captive, tall	vs	submit, come to, sire, precious, wild, holy, junior

<!--Col Count:8-->		Dim 1			Dim 2	
	Negative pole		Positive pole	Negative pole		Positive pole
	feel, fearsome		wield, gleam			
Old Babylonian	comely, young, happy, achieve, strange, grown, mortal	vs	hail, support, wild, mighty, wise, verse, old, assist	take across, enable, ferocious, make rage against, keep enjoying, go before, repel, awesome, go with, talk about, load, senior, safe	vs	afraid, vexed, erect, arise, weary, equal, pale, explain, feeble, sturdy, travel, experience, sad, short, free, move toward, chase off
Standard Babylonian	Cluster1: walk at side, great<!--Para Run-on--> Cluster 2: welcome, senior, wild, little, spurn,<!--Para Run-on--> live, replicate, comely	vs	Cluster 1: cause, put, come across, disclose, old, seal Cluster 2: pile, safe, brave, rule, alive, prostrate, glorious, silent, go back<!--Para Run-on-->	Cluster 1: cause, put, come across, old<!--Para Run-on--> Cluster 2: join combat, capture, join forces, bind arms, defeat,<!--Para Run-on--> set toward, spread clothing, dug, uncradle, let loose, spread, get rid, show, sit, take in scent, cloth, give bread, give beer, anoint, delight	vs	Free, experience, angry, strong, able, change, furious