

Independent Samples (equivalence bounds based on raw scores)											
Mean group 1	78	Mean group 2	79	90% CI Mdiff [Lower]	-6.738	90% CI Mdiff [Upper]	5.015				
SD group 1	21	SD group 2	18.74577	NHST Welch's two-sided t -test				NHST Student's two-sided t -test			
n group 1	53	n group 2	82	t	-0.243			Effect Size			
low equivalence bound (raw scores)		high equivalence bound (raw scores)	10	df	102.0817298			t	-0.249	Cohen's d _i	-0.044
				p	0.809			df	133	Hedges's g _i	-0.044
	-10					p	0.804	SDpooled	19.648		
TOST Power Analysis				TOST Equivalence Test Equal Variances Not Assumed				TOST Equivalence Test Equal Variances Assumed			
alpha (Type 1 error rate)	0.025			One-Sided Test 1		One-Sided Test 2		One-Sided Test 1		One-Sided Test 2	
Desired Power	0.8			t	2.576	t	-3.062	t	2.639	t	-3.137
low equivalence bound (raw scores)	-0.1			df	102.08	df	102.08	df	133	df	133
high equivalence bound (raw scores)	0.1			p	0.006	p	0.001	p	0.025	p	0.001
pooled SD	1			TOST result		TOST result		TOST result		TOST result	
Required Sample Size (in each condition)	2102			t	2.576	p	0.006	t	2.639	p	0.025
The TOST procedure based on Welch's t-test indicated that the observed effect size (d = -0,04) was significantly within the equivalent bounds of -10 and 10 scale points, (or in Cohen's d: -0,51 and 0,51), t(102,08) = 2,58, p = 0,006						The TOST procedure based on Student's t-test indicated that the observed effect size (d = -0,04) was significantly within the equivalent bounds of -10 and 10 scale points, t(133) = 2,64, p = 0,025					