Participants	Congruent	Incongruent	Difference D	Deviation	Squared Deviation				
						24	n-Number of Participants	Null Hypotheses	There is no significant different between population of time taken for Congruent test and Incongruent test
1	12.079	19.278	-7.199	0.7657916667	0.5864368767	23	df-Degrees Of Freedom	Alternative Hypotheses	There is significat difference
2	16.791	18.741	-1.95	6.014791667	36.17771879	-7.964791667	Mean		
3	9.564	21.214	-11.65	-3.685208333	13.58076046	544.33044			
4	8.63	15.687	-7.057	0.9077916667	0.8240857101	23.66654087	Variance		
5	14.669	22.803	-8.134	-0.1692083333	0.02863146007	4.86482691	Standard Deviation		
6	12.238	20.878	-8.64	-0.6752083333	0.4559062934	4.86482691			
7	14.692	24.572	-9.88	-1.915208333	3.66802296			Reject Null	Type of test has causal effect on the time taken for a test
8	8.987	17.394	-8.407	-0.4422083333	0.1955482101	0.9930286348	Standard Error		
9	9.401	20.762	-11.361	-3.396208333	11.53423104	-8.020706944	t-vaiue		
10	14.48	26.282	-11.802	-3.837208333	14.72416779	2.069	t-critical for two tail alpha=0.05		
11	22.328	24.524	-2.196	5.768791667	33.27895729	-5.910215421	Confidence Interval 95%:upper limit		
12	15.298	18.644	-3.346	4.618791667	21.33323646	-10.01936791	Lower limit	We can conclude that on average users will take around 5 to 10 seconds less time to complete congruent test	
13	15.073	17.51	-2.437	5.527791667	30.55648071	-1.637219949	Cohen's d		
14	16.929	20.33	-3.401	4.563791667	20.82819438	0.0001	P value		
15	18.2	35.255	-17.055	-9.090208333	82.63188754	0.7366364161	r^2		
16	12.13	22.158	-10.028	-2.063208333	4.256828627				
17	18.495	25.139	-6.644	1.320791667	1.744490627				
18	10.639	20.429	-9.79	-1.825208333	3.33138546				
19	11.344	17.425	-6.081	1.883791667	3.548671043				
20	12.369	34.288	-21.919	-13.95420833	194.7199302				
21	12.944	23.894	-10.95	-2.985208333	8.911468793				
22	14.233	17.96	-3.727	4.237791667	17.95887821				
23	19.71	22.058	-2.348	5.616791667	31.54834863				
24	16.004	21.157	-5.153	2.811791667	7.906172377				
	14.051125	22.01591667							
	mean time for Congruent test	mean time for Incongruent							
	3.559357958	4.797057122							

Dependent t test for paired samples.

Response Time for Incongruent Words

Response Time for Congruent Words