

TABLE 5 Number of Observations for Independent-Samples t Test

POWER→		SIGNIFICANCE LEVEL (TWO-TAILED TEST)																											
		$\alpha = .01$					$\alpha = .02$					$\alpha = .05$					$\alpha = .10$												
		.99	.95	.90	.80	.50	.99	.95	.90	.80	.50	.99	.95	.90	.80	.50	.99	.95	.90	.80	.50								
$\frac{ \mu_1 - \mu_2 }{\sigma}$	.20																					137	.20						
	.25																124						88	.25					
	.30																					87	61	.30					
	.35																					64						45	.35
	.40																					50	108	78	35	.40			
	.45																					39	108	86	62	28	.45		
	.50																					32	88	70	51	23	.50		
	.55																					27	112	73	58	42	19	.55	
	.60																					23	89	61	49	36	16	.60	
	.65																					20	76	52	42	30	14	.65	
	.70																					17	66	45	36	26	12	.70	
.75																					15	57	40	32	23	11	.75		
.80																					14	50	35	28	21	10	.80		
.85																					12	45	31	25	18	9	.85		
.90																					11	40	28	22	16	8	.90		
.95																					10	36	25	20	15	7	.95		
1.00																					9	33	23	18	14	7	1.00		
		$\alpha = .005$					$\alpha = .01$					$\alpha = .025$					$\alpha = .05$												
SIGNIFICANCE LEVEL (ONE-TAILED TEST)																													

TABLE 5 Number of Observations for Independent-Samples t Test (continued)

POWER→		SIGNIFICANCE LEVEL (TWO-TAILED TEST)																					
		$\alpha = .01$					$\alpha = .02$					$\alpha = .05$					$\alpha = .10$						
		.99	.95	.90	.80	.50	.99	.95	.90	.80	.50	.99	.95	.90	.80	.50	.99	.95	.90	.80	.50		
$\frac{ \mu_1 - \mu_2 }{\sigma}$	1.1	42	32	27	22	13	38	28	23	19	11	32	23	19	14	8	27	19	15	12	6	1.1	
	1.2	36	27	23	18	11	32	24	20	16	9	27	20	16	12	7	23	16	13	10	5	1.2	
	1.3	31	23	20	16	10	28	21	17	14	8	23	17	14	11	6	20	14	11	9	5	1.3	
	1.4	27	20	17	14	9	24	18	15	12	8	20	15	12	10	6	17	12	10	8	4	1.4	
	1.5	24	18	15	13	8	21	16	14	11	7	18	13	11	9	5	15	11	9	7	4	1.5	
	1.6	21	16	14	11	7	19	14	12	10	6	16	12	10	8	5	14	10	8	6	4	1.6	
	1.7	19	15	13	10	7	17	13	11	9	6	14	11	9	7	4	12	9	7	6	3	1.7	
	1.8	17	13	11	10	6	15	12	10	8	5	13	10	8	6	4	11	8	7	5		1.8	
	1.9	16	12	11	9	6	14	11	9	8	5	12	9	7	6	4	10	7	6	5		1.9	
	2.0	14	11	10	8	6	13	10	9	7	5	11	8	7	6	4	9	7	6	4		2.0	
	2.1	13	10	9	8	5	12	9	8	7	5	10	8	6	5	3	8	6	5	4		2.1	
	2.2	12	10	8	7	5	11	9	7	6	4	9	7	6	5		8	6	5	4		2.2	
	2.3	11	9	8	7	5	10	8	7	6	4	9	7	6	5		7	5	5	4		2.3	
	2.4	11	9	8	6	5	10	8	7	6	4	8	6	5	4		7	5	4	4		2.4	
	2.5	10	8	7	6	4	9	7	6	5	4	8	6	5	4		6	5	4	3		2.5	
	3.0	8	6	6	5	4	7	6	5	4	3	6	5	4	4		5	4	3			3.0	
	3.5	6	5	5	4	3	6	5	4	4		5	4	4	3		4	3				3.5	
	4.0	6	5	4	4		5	4	4	3		4	4	3			4					4.0	
		$\alpha = .005$					$\alpha = .01$					$\alpha = .025$					$\alpha = .05$						
SIGNIFICANCE LEVEL (ONE-TAILED TEST)																							