Statistical Power of the Analysis of Variance
(Three Groups, $\alpha = .05$)

n	ω^2																			
	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
3	.06	.07	.08	.09	.10	.11	.12	.14	.15	.17	.18	.20	.22	.24	.26	.28	.30	.33	.35	.38
4	.06	.08	.09	.11	.13	.15	.17	.19	.22	.24	.27	.29	.32	.35	.39	.42	.45	.49	.52	.56
5	.07	.09	.11	.13	.16	.19	.22	.25	.28	.31	.35	.39	.42	.46	.50	.54	.58	.62	.66	.70
6	.07	.10	.13	.16	.19	.23	.26	.30	.34	.39	.43	.47	.52	.56	.61	.65	.69	.73	.77	.81
7	.08	.11	.15	.18	.22	.27	.31	.36	.41	.46	.50	.55	.60	.65	.69	.74	.78	.81	.85	.88
8	.08	.12	.16	.21	.26	.31	.36	.41	.47	.52	.57	.62	.67	.72	.77	.81	.84	.87	.90	.92
9	.09	.13	.18	.23	.29	.35	.40	.46	.52	.58	.64	.69	.74	.78	.82	.86	.89	.92	.94	.95
10	.09	.14	.20	.26	.32	.38	.45	.51	.58	.64	.69	.74	.79	.83	.87	.90	.92	.94	.96	.97
11	.10	.15	.22	.28	.35	.42	.49	.56	.62	.68	.74	.79	.83	.87	.90	.93	.95	.96	.98	.98
12	.10	.17	.24	.31	.38	.46	.53	.60	.67	.73	.78	.83	.87	.90	.93	.95	.97	.98	.99	.99
13	.11	.18	.25	.33	.41	.49	.57	.64	.71	.77	.82	.86	.90	.93	.95	.97	.98	.99	.99	
14	.11	.19	.27	.36	.44	.53	.61	.68	.75	.80	.85	.89	.92	.95	.96	.98	.99	.99	.99	
15	.12	.20	.29	.38	.47	.56	.64	.72	.78	.83	.88	.91	.94	.96	.97	.98	.99	.99		
16	.13	.21	.31	.41	.50	.59	.68	.75	.81	.86	.90	.93	.95	.97	.98	.99	.99			
17	.13	.23	.33	.43	.53	.62	.71	.78	.84	.88	.92	.95	.96	.98	.99	.99				
18	.14	.24	.35	.45	.56	.65	.73	.80	.86	.90	.93	.96	.97	.98	.99					
19	.14	.25	.36	.48	.58	.68	.76	.83	.88	.92	.95	.97	.98	.99	.99					
20	.15	.26	.38	.50	.61	.70	.78	.85	.90	.93	.96	.97	.99	.99						
21	.15	.27	.40	.52	.63	.73	.81	.87	.91	.94	.97	.98	.99	.99						
22	.16	.29	.42	.54	.65	.75	.83	.88	.92	.95	.97	.98	.99							
23	.16	.30	.43	.56	.68	.77	.84	.90	.94	.96	.98	.99	.99							
24	.17	.31	.45	.58	.70	.79	.86	.91	.95	.97	.98	.99								
30	.20	.38	.55	.69	.80	.88	.93	.96	.98	.99										
40	.26	.49	.69	.82	.91	.96	.98	.99												
50	.32	.59	.79	.90	.96	.99														
60	.38	.68	.86	.95	.98															
70	.44	.75	.91	.97	.99															
80	.49	.81	.95	.99																
90	.54	.86	.97	.99																
100	.59	.89	.98																	

Statistical Power of the Analysis of Variance
(Four Groups, α = .05)

n	ω^2																			
	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
3	.06	.07	.08	.09	.11	.12	.13	.15	.17	.18	.20	.22	.25	.27	.29	.32	.35	.38	.41	.44
4	.06	.08	.10	.12	.14	.16	.19	.21	.24	.27	.30	.33	.37	.40	.44	.48	.52	.56	.60	.64
5	.07	.09	.12	.14	.17	.20	.24	.28	.31	.35	.40	.44	.48	.53	.57	.62	.66	.70	.74	.78
6	.08	.10	.14	.17	.21	.25	.29	.34	.39	.44	.49	.54	.59	.63	.68	.73	.77	.81	.84	.87
7	.08	.12	.15	.20	.25	.30	.35	.40	.46	.51	.57	.62	.68	.72	.77	.81	.85	.88	.91	.93
8	.09	.13	.17	.23	.28	.34	.40	.47	.53	.59	.65	.70	.75	.80	.84	.87	.90	.93	.95	.96
9	.09	.14	.20	.26	.32	.39	.46	.52	.59	.65	.71	.76	.81	.85	.89	.92	.94	.96	.97	.98
10	.10	.15	.22	.29	.36	.43	.51	.58	.65	.71	.77	.82	.86	.89	.92	.95	.96	.98	.98	.99
11	.10	.17	.24	.31	.39	.48	.55	.63	.70	.76	.81	.86	.90	.93	.95	.97	.98	.99	.99	
12	.11	.18	.26	.34	.43	.52	.60	.68	.74	.80	.85	.89	.92	.95	.97	.98	.99	.99		
13	.11	.19	.28	.37	.47	.56	.64	.72	.78	.84	.88	.92	.95	.96	.98	.99	.99			
14	.12	.21	.30	.40	.50	.60	.68	.76	.82	.87	.91	.94	.96	.98	.99	.99				
15	.13	.22	.32	.43	.53	.63	.72	.79	.85	.90	.93	.96	.97	.98	.99					
16	.13	.23	.34	.46	.57	.66	.75	.82	.88	.92	.95	.97	.98	.99	.99					
17	.14	.25	.37	.48	.60	.70	.78	.85	.90	.93	.96	.98	.99	.99						
18	.14	.26	.39	.51	.63	.73	.81	.87	.92	.95	.97	.98	.99							
19	.15	.27	.41	.54	.65	.75	.83	.89	.93	.96	.98	.99	.99							
20	.16	.29	.43	.56	.68	.78	.85	.91	.94	.97	.98	.99								
21	.16	.30	.45	.59	.71	.80	.87	.92	.95	.98	.99	.99								
22	.17	.32	.47	.61	.73	.82	.89	.93	.96	.98	.99									
23	.18	.33	.49	.63	.75	.84	.90	.94	.97	.99	.99									
24	.18	.34	.51	.65	.77	.86	.92	.95	.98	.99	.99									
30	.22	.43	.62	.77	.87	.93	.97	.99	.99											
40	.29	.55	.76	.89	.95	.98	.99													
50	.36	.66	.86	.95	.98															
60	.43	.75	.92	.98																
70	.49	.82	.96	.99																
80	.55	.88	.98																	
90	.61	.91	.99																	
100	.66	.94	.99																	

Statistical Power of the Analysis of Variance
(Five Groups, $\alpha = .05$)

n	ω^2																			
	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
3	.06	.07	.08	.10	.11	.13	.14	.16	.18	.20	.23	.25	.28	.30	.33	.36	.39	.43	.46	.50
4	.07	.08	.10	.12	.15	.17	.20	.23	.26	.30	.33	.37	.41	.45	.49	.54	.58	.62	.66	.71
5	.07	.10	.12	.15	.19	.22	.26	.30	.35	.39	.44	.49	.54	.59	.63	.68	.73	.77	.81	.84
6	.08	.11	.14	.18	.23	.27	.33	.38	.43	.49	.54	.60	.65	.70	.75	.79	.83	.87	.90	.92
7	.08	.12	.17	.22	.27	.33	.39	.45	.51	.57	.63	.69	.74	.79	.83	.87	.90	.93	.95	.96
8	.09	.13	.19	.25	.31	.38	.45	.52	.58	.65	.71	.76	.81	.85	.89	.92	.94	.96	.97	.98
9	.09	.15	.21	.28	.35	.43	.51	.58	.65	.72	.77	.82	.87	.90	.93	.95	.97	.98	.99	.99
10	.10	.16	.24	.31	.40	.48	.56	.64	.71	.77	.83	.87	.91	.94	.96	.97	.98	.99	.99	
11	.11	.18	.26	.35	.44	.53	.61	.69	.76	.82	.87	.91	.94	.96	.97	.98	.99			
12	.11	.19	.28	.38	.48	.57	.66	.74	.81	.86	.90	.93	.96	.97	.98	.99				
13	.12	.21	.31	.41	.52	.62	.71	.78	.84	.89	.93	.95	.97	.98	.99					
14	.13	.22	.33	.45	.56	.66	.74	.82	.87	.92	.95	.97	.98	.99	.99					
15	.13	.24	.36	.48	.59	.69	.78	.85	.90	.94	.96	.98	.99	.99						
16	.14	.25	.38	.51	.63	.73	.81	.87	.92	.95	.97	.99	.99							
17	.15	.27	.40	.54	.66	.76	.84	.90	.94	.96	.98	.99								
18	.15	.29	.43	.57	.69	.79	.86	.92	.95	.97	.99	.99								
19	.16	.30	.45	.59	.72	.81	.88	.93	.96	.98	.99									
20	.17	.32	.48	.62	.74	.84	.90	.94	.97	.99	.99									
21	.17	.33	.50	.65	.77	.86	.92	.96	.98	.99										
22	.18	.35	.52	.67	.79	.88	.93	.96	.98	.99										
23	.19	.37	.54	.69	.81	.89	.94	.97	.99	.99										
24	.20	.38	.56	.72	.83	.91	.95	.98	.99											
30	.24	.47	.68	.82	.91	.96	.99	.99												
40	.32	.61	.82	.93	.98	.99														
50	.40	.73	.91	.97	.99															
60	.47	.81	.95	.99																
70	.54	.88	.98																	
80	.61	.92	.99																	
90	.67	.95																		
100	.72	.97																		

Statistical Power of the Analysis of Variance
(Three Groups, α = .01)

n	ω^2																			
	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
3	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.05	.06	.06	.07	.08	.09	.10	.11	.12	.13
4	.01	.02	.02	.03	.03	.04	.05	.06	.07	.08	.09	.10	.11	.13	.15	.16	.18	.21	.23	.26
5	.02	.02	.03	.04	.05	.06	.07	.08	.10	.11	.13	.15	.18	.20	.23	.26	.29	.32	.36	.40
6	.02	.03	.04	.05	.06	.08	.09	.11	.13	.16	.19	.22	.25	.28	.32	.36	.40	.45	.49	.54
7	.02	.03	.04	.06	.08	.10	.12	.15	.18	.21	.24	.28	.32	.37	.41	.46	.51	.56	.61	.66
8	.02	.03	.05	.07	.09	.12	.15	.18	.22	.26	.30	.35	.40	.45	.50	.55	.61	.66	.71	.75
9	.02	.04	.06	.08	.11	.14	.18	.22	.27	.31	.37	.42	.47	.53	.59	.64	.69	.74	.79	.83
10	.02	.04	.07	.09	.13	.17	.21	.26	.31	.37	.43	.48	.54	.60	.66	.71	.76	.81	.85	.89
11	.03	.05	.08	.11	.15	.19	.25	.30	.36	.42	.48	.55	.61	.67	.73	.78	.82	.86	.90	.92
12	.03	.05	.08	.12	.17	.22	.28	.34	.41	.47	.54	.61	.67	.73	.78	.83	.87	.90	.93	.95
13	.03	.06	.09	.14	.19	.25	.32	.38	.45	.53	.59	.66	.72	.78	.83	.87	.90	.93	.95	.97
14	.03	.06	.10	.16	.21	.28	.35	.42	.50	.57	.64	.71	.77	.82	.87	.90	.93	.95	.97	.98
15	.03	.07	.12	.17	.24	.31	.39	.46	.54	.62	.69	.75	.81	.86	.90	.93	.95	.97	.98	.99
16	.04	.07	.13	.19	.26	.34	.42	.50	.58	.66	.73	.79	.84	.89	.92	.95	.97	.98	.99	.99
17	.04	.08	.14	.21	.28	.37	.46	.54	.62	.70	.77	.83	.87	.91	.94	.96	.98	.99	.99	
18	.04	.09	.15	.22	.31	.40	.49	.58	.66	.74	.80	.85	.90	.93	.95	.97	.98	.99		
19	.04	.09	.16	.24	.33	.43	.52	.61	.70	.77	.83	.88	.92	.95	.97	.98	.99	.99		
20	.05	.10	.17	.26	.36	.46	.55	.65	.73	.80	.86	.90	.93	.96	.98	.99	.99			
21	.05	.11	.19	.28	.38	.48	.58	.68	.76	.82	.88	.92	.95	.97	.98	.99	.99			
22	.05	.11	.20	.30	.40	.51	.61	.71	.78	.85	.90	.93	.96	.98	.99	.99				
23	.05	.12	.21	.32	.43	.54	.64	.73	.81	.87	.91	.95	.97	.98	.99					
24	.06	.13	.22	.33	.45	.56	.67	.76	.83	.89	.93	.96	.97	.99	.99					
30	.07	.17	.31	.45	.58	.70	.80	.87	.92	.96	.98	.99	.99							
40	.10	.26	.44	.62	.76	.86	.92	.96	.98	.99										
50	.14	.35	.57	.75	.87	.94	.97	.99												
60	.18	.44	.68	.85	.94	.98	.99													
70	.22	.52	.77	.91	.97	.99														
80	.26	.60	.84	.95	.99															
90	.30	.67	.89	.97	.99															
100	.35	.74	.93	.98																

Statistical Power of the Analysis of Variance
(Four Groups, α = .01)

n	ω^2																			
	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
3	.01	.02	.02	.02	.03	.03	.03	.04	.05	.05	.06	.07	.08	.09	.10	.11	.12	.14	.15	.17
4	.01	.02	.02	.03	.04	.05	.05	.07	.08	.09	.11	.12	.14	.16	.18	.21	.24	.26	.30	.33
5	.02	.02	.03	.04	.05	.07	.08	.10	.12	.14	.16	.19	.22	.25	.29	.33	.37	.41	.46	.50
6	.02	.03	.04	.05	.07	.09	.11	.14	.16	.20	.23	.27	.31	.35	.40	.45	.50	.55	.60	.65
7	.02	.03	.05	.06	.09	.11	.14	.18	.21	.26	.30	.35	.40	.46	.51	.56	.62	.67	.72	.77
8	.02	.04	.06	.08	.11	.14	.18	.22	.27	.32	.38	.43	.49	.55	.61	.67	.72	.77	.82	.86
9	.02	.04	.06	.09	.13	.17	.22	.27	.33	.39	.45	.51	.58	.64	.70	.75	.80	.84	.88	.91
10	.02	.05	.07	.11	.15	.20	.26	.32	.38	.45	.52	.59	.65	.71	.77	.82	.86	.90	.93	.95
11	.03	.05	.09	.13	.18	.24	.30	.37	.44	.51	.59	.66	.72	.78	.83	.87	.91	.93	.96	.97
12	.03	.06	.10	.15	.20	.27	.34	.42	.50	.57	.65	.72	.78	.83	.87	.91	.94	.96	.97	.98
13	.03	.06	.11	.17	.23	.31	.39	.47	.55	.63	.70	.77	.82	.87	.91	.94	.96	.98	.99	.99
14	.03	.07	.12	.19	.26	.34	.43	.52	.60	.68	.75	.81	.86	.90	.94	.96	.97	.99	.99	
15	.04	.08	.13	.21	.29	.38	.47	.56	.65	.73	.79	.85	.90	.93	.96	.97	.98	.99		
16	.04	.08	.15	.23	.32	.41	.51	.60	.69	.77	.83	.88	.92	.95	.97	.98	.99	.99		
17	.04	.09	.16	.25	.35	.45	.55	.65	.73	.80	.86	.91	.94	.96	.98	.99	.99			
18	.04	.10	.18	.27	.37	.48	.59	.68	.77	.83	.89	.93	.96	.97	.99	.99				
19	.05	.11	.19	.29	.40	.52	.62	.72	.80	.86	.91	.94	.97	.98	.99					
20	.05	.12	.21	.32	.43	.55	.66	.75	.83	.89	.93	.96	.98	.99	.99					
21	.05	.12	.22	.34	.46	.58	.69	.78	.85	.91	.94	.97	.98	.99						
22	.06	.13	.24	.36	.49	.61	.72	.81	.87	.92	.96	.98	.99	.99						
23	.06	.14	.25	.38	.52	.64	.75	.83	.89	.94	.96	.98	.99							
24	.06	.15	.27	.41	.54	.67	.77	.85	.91	.95	.97	.99	.99							
30	.08	.21	.37	.54	.69	.80	.89	.94	.97	.99	.99									
40	.12	.31	.53	.72	.85	.93	.97	.99												
50	.16	.42	.67	.84	.94	.98	.99													
60	.21	.53	.78	.92	.98	.99														
70	.26	.62	.86	.96	.99															
80	.31	.71	.91	.98																
90	.37	.78	.95	.99																
100	.42	.83	.97																	

Statistical Power of the Analysis of Variance
(Five Groups, α = .01)

n	ω^2																			
	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
3	.01	.02	.02	.02	.03	.03	.04	.04	.05	.06	.07	.08	.09	.10	.12	.13	.15	.17	.19	.21
4	.01	.02	.03	.03	.04	.05	.06	.08	.09	.11	.13	.15	.17	.20	.22	.26	.29	.33	.37	.41
5	.02	.02	.03	.04	.06	.07	.09	.11	.14	.17	.20	.23	.27	.31	.35	.40	.45	.49	.55	.60
6	.02	.03	.04	.06	.08	.10	.13	.16	.19	.23	.28	.32	.37	.43	.48	.54	.59	.65	.70	.75
7	.02	.03	.05	.07	.10	.13	.17	.21	.26	.31	.36	.42	.48	.54	.60	.66	.71	.77	.81	.85
8	.02	.04	.06	.09	.12	.17	.21	.26	.32	.38	.45	.51	.58	.64	.70	.76	.81	.85	.89	.92
9	.02	.04	.07	.11	.15	.20	.26	.32	.39	.46	.53	.60	.67	.73	.79	.84	.88	.91	.94	.96
10	.03	.05	.08	.13	.18	.24	.31	.38	.46	.53	.61	.68	.74	.80	.85	.89	.92	.95	.97	.98
11	.03	.06	.10	.15	.21	.28	.36	.44	.52	.60	.68	.74	.81	.86	.90	.93	.95	.97	.98	.99
12	.03	.06	.11	.17	.24	.32	.41	.49	.58	.66	.74	.80	.86	.90	.93	.96	.97	.98	.99	
13	.03	.07	.13	.19	.27	.36	.46	.55	.64	.72	.79	.85	.89	.93	.96	.97	.98	.99		
14	.04	.08	.14	.22	.31	.40	.50	.60	.69	.77	.83	.88	.92	.95	.97	.98	.99			
15	.04	.09	.16	.24	.34	.45	.55	.65	.74	.81	.87	.91	.95	.97	.98	.99				
16	.04	.10	.17	.27	.37	.49	.59	.69	.78	.85	.90	.94	.96	.98	.99	.99				
17	.04	.10	.19	.29	.41	.53	.64	.73	.81	.88	.92	.95	.97	.99	.99					
18	.05	.11	.21	.32	.44	.56	.67	.77	.84	.90	.94	.97	.98	.99						
19	.05	.12	.22	.35	.48	.60	.71	.80	.87	.92	.96	.98	.99	.99						
20	.05	.13	.24	.37	.51	.63	.74	.83	.89	.94	.97	.98	.99							
21	.06	.14	.26	.40	.54	.67	.77	.86	.91	.95	.98	.99	.99							
22	.06	.15	.28	.43	.57	.70	.80	.88	.93	.96	.98	.99								
23	.06	.16	.30	.45	.60	.73	.83	.90	.94	.97	.99	.99								
24	.07	.17	.32	.48	.63	.75	.85	.91	.96	.98	.99									
30	.09	.24	.44	.62	.77	.88	.94	.97	.99											
40	.14	.37	.62	.80	.91	.97	.99													
50	.19	.49	.76	.91	.97	.99														
60	.25	.61	.86	.96	.99															
70	.31	.71	.92	.98																
80	.37	.79	.96	.99																
90	.43	.85	.98																	
100	.49	.90	.99																	