

TABLE A-3		t Distribution: Critical t Values				
	Area in One Tail					
	0.005	0.01	0.025	0.05	0.10	
Degrees of Freedom	Area in Two Tails					
	0.01	0.02	0.05	0.10	0.20	
1	63.657	31.821	12.706	6.314	3.078	
2	9.925	6.965	4.303	2.920	1.886	
3	5.841	4.541	3.182	2.353	1.638	
4	4.604	3.747	2.776	2.132	1.533	
5	4.032	3.365	2.571	2.015	1.476	
6	3.707	3.143	2.447	1.943	1.440	
7	3.499	2.998	2.365	1.895	1.415	
8	3.355	2.896	2.306	1.860	1.397	
9	3.250	2.821	2.262	1.833	1.383	
10	3.169	2.764	2.228	1.812	1.372	
11	3.106	2.718	2.201	1.796	1.363	
12	3.055	2.681	2.179	1.782	1.356	
13	3.012	2.650	2.160	1.771	1.350	
14	2.977	2.624	2.145	1.761	1.345	
15	2.947	2.602	2.131	1.753	1.341	
16	2.921	2.583	2.120	1.746	1.337	
17	2.898	2.567	2.110	1.740	1.333	
18	2.878	2.552	2.101	1.734	1.330	
19	2.861	2.539	2.093	1.729	1.328	
20	2.845	2.528	2.086	1.725	1.325	
21	2.831	2.518	2.080	1.721	1.323	
22	2.819	2.508	2.074	1.717	1.321	
23	2.807	2.500	2.069	1.714	1.319	
24	2.797	2.492	2.064	1.711	1.318	
25	2.787	2.485	2.060	1.708	1.316	
26	2.779	2.479	2.056	1.706	1.315	
27	2.771	2.473	2.052	1.703	1.314	
28	2.763	2.467	2.048	1.701	1.313	
29	2.756	2.462	2.045	1.699	1.311	
30	2.750	2.457	2.042	1.697	1.310	
31	2.744	2.453	2.040	1.696	1.309	
32	2.738	2.449	2.037	1.694	1.309	
34	2.728	2.441	2.032	1.691	1.307	
36	2.719	2.434	2.028	1.688	1.306	
38	2.712	2.429	2.024	1.686	1.304	
40	2.704	2.423	2.021	1.684	1.303	
45	2.690	2.412	2.014	1.679	1.301	
50	2.678	2.403	2.009	1.676	1.299	
55	2.668	2.396	2.004	1.673	1.297	
60	2.660	2.390	2.000	1.671	1.296	
65	2.654	2.385	1.997	1.669	1.295	
70	2.648	2.381	1.994	1.667	1.294	
75	2.643	2.377	1.992	1.665	1.293	
80	2.639	2.374	1.990	1.664	1.292	
90	2.632	2.368	1.987	1.662	1.291	
100	2.626	2.364	1.984	1.660	1.290	
200	2.601	2.345	1.972	1.653	1.286	
300	2.592	2.339	1.968	1.650	1.284	
400	2.588	2.336	1.966	1.649	1.284	
500	2.586	2.334	1.965	1.648	1.283	
750	2.582	2.331	1.963	1.647	1.283	
1000	2.581	2.330	1.962	1.646	1.282	
2000	2.578	2.328	1.961	1.646	1.282	
Large	2.576	2.326	1.960	1.645	1.282	