

# Appendix 6. Rank tables (median, 5%, 95%)

## MEDIAN RANKS

$j \setminus n$	SAMPLE SIZE									
	1	2	3	4	5	6	7	8	9	10
1	50.000	29.289	20.630	15.910	12.945	10.910	9.428	8.300	7.412	6.697
2		70.711	50.000	38.573	31.381	26.445	22.849	20.113	17.962	16.226
3			79.370	61.427	50.000	42.141	36.412	32.052	28.624	25.857
4				84.090	68.619	57.859	50.000	44.015	39.308	35.510
5					87.055	73.555	63.588	55.984	50.000	45.169
6						89.090	77.151	67.948	60.691	54.831
7							90.572	79.887	71.376	64.490
8								91.700	82.038	74.142
9									92.587	83.774
10										93.303

## MEDIAN RANKS

$j \setminus n$	SAMPLE SIZE									
	11	12	13	14	15	16	17	18	19	20
1	6.107	5.613	5.192	4.830	4.516	4.240	3.995	3.778	3.582	3.406
2	14.796	13.598	12.579	11.702	10.940	10.270	9.678	9.151	8.677	8.251
3	23.578	21.669	20.045	18.647	17.432	16.365	15.422	14.581	13.827	13.147
4	32.380	29.758	27.528	25.608	23.939	22.474	21.178	20.024	18.988	18.055
5	41.189	37.853	35.016	32.575	30.452	28.589	26.940	25.471	24.154	22.967
6	50.000	45.951	42.508	39.544	36.967	34.705	32.704	30.921	29.322	27.880
7	58.811	54.049	50.000	46.515	43.483	40.823	38.469	36.371	34.491	32.795
8	67.620	62.147	57.492	53.485	50.000	46.941	44.234	41.823	39.660	37.710
9	76.421	70.242	64.984	60.456	56.517	53.059	50.000	47.274	44.830	42.626
10	85.204	78.331	72.472	67.425	63.033	59.177	55.766	52.726	50.000	47.542
11	93.893	86.402	79.955	74.392	69.548	65.295	61.531	58.177	55.170	52.458
12		94.387	87.421	81.353	76.061	71.411	67.296	63.629	60.340	57.374
13			94.808	88.298	82.568	77.525	73.060	69.079	65.509	62.289
14				95.169	89.060	83.635	78.821	74.529	70.678	67.205
15					95.484	89.730	84.578	79.976	75.846	72.119
16						95.760	90.322	85.419	81.011	77.033
17							96.005	90.849	86.173	81.945
18								96.222	91.322	86.853
19									96.418	91.749
20										96.594

**MEDIAN RANKS**

$\lambda_n$	SAMPLE SIZE									
	21	22	23	24	25	26	27	28	29	30
1	3.247	3.101	2.969	2.847	2.734	2.631	2.534	2.445	2.362	2.284
2	7.864	7.512	7.191	6.895	6.623	6.372	6.139	5.922	5.720	5.532
3	12.531	11.970	11.458	10.987	10.553	10.153	9.781	9.436	9.114	8.814
4	17.209	16.439	15.734	15.088	14.492	13.942	13.432	12.958	12.517	12.104
5	21.890	20.911	20.015	19.192	18.435	17.735	17.086	16.483	15.922	15.397
6	26.574	25.384	24.297	23.299	22.379	21.529	20.742	20.010	19.328	18.691
7	31.258	29.859	28.580	27.406	26.324	25.325	24.398	23.537	22.735	21.986
8	35.943	34.334	32.863	31.513	30.269	29.120	28.055	27.065	26.143	25.281
9	40.629	38.810	37.147	35.621	34.215	32.916	31.712	30.593	29.550	28.576
10	45.314	43.286	41.431	39.729	38.161	36.712	35.370	34.121	32.958	31.872
11	50.000	47.762	45.716	43.837	42.107	40.509	39.027	37.650	36.367	35.168
12	54.686	52.238	50.000	47.946	46.054	44.305	42.685	41.178	39.775	38.464
13	59.371	56.714	54.284	52.054	50.000	48.102	46.342	44.707	43.183	41.760
14	64.057	61.190	58.568	56.162	53.946	51.898	50.000	48.236	46.592	45.056
15	68.742	65.665	62.853	60.271	57.892	55.695	53.658	51.764	50.000	48.352
16	73.426	70.141	67.137	64.379	61.839	59.491	57.315	55.293	53.408	51.648
17	78.109	74.616	71.420	68.487	65.785	63.287	60.973	58.821	56.817	54.944
18	82.791	79.089	75.703	72.594	69.730	67.084	64.630	62.350	60.225	58.240
19	87.469	83.561	79.985	76.701	73.676	70.880	68.288	65.878	63.633	61.536
20	92.136	88.030	84.266	80.808	77.621	74.675	71.945	69.407	67.041	64.852
21	96.753	92.488	88.542	84.912	81.565	78.471	75.602	72.935	70.450	68.128
22		96.898	92.809	89.013	85.507	82.265	79.258	76.463	73.857	71.424
23			97.031	93.105	89.447	86.058	82.914	79.990	77.265	74.719
24				97.153	93.377	89.847	86.568	83.517	80.672	78.014
25					97.265	93.628	90.219	87.042	84.078	81.309
26						97.369	93.861	90.564	87.483	84.603
27							97.465	94.078	90.865	87.896
28								97.555	94.280	91.186
29									97.638	94.468
30										97.716

**MEDIAN RANKS**

$\lambda_n$	SAMPLE SIZE									
	31	32	33	34	35	36	37	38	39	40
1	2.211	2.143	2.078	2.018	1.961	1.907	1.856	1.807	1.762	1.718
2	5.355	5.190	5.034	4.887	4.749	4.618	4.495	4.377	4.266	4.160
3	8.533	8.269	8.021	7.787	7.567	7.359	7.162	6.975	6.798	6.629
4	11.716	11.355	11.015	10.694	10.391	10.105	9.835	9.578	9.335	9.103
5	14.905	14.445	14.011	13.603	13.218	12.855	12.510	12.184	11.874	11.580
6	18.094	17.535	17.009	16.514	16.046	15.605	15.187	14.791	14.415	14.057
7	21.284	20.626	20.007	19.425	18.875	18.355	17.864	17.398	16.956	16.535
8	24.474	23.717	23.006	22.336	21.704	21.107	20.541	20.005	19.497	19.013
9	27.664	26.809	26.005	25.247	24.533	23.858	23.219	22.613	22.038	21.492
10	30.855	29.901	29.004	28.159	27.362	26.609	25.897	25.221	24.580	23.971
11	34.046	32.993	32.003	31.071	30.192	29.361	28.575	27.829	27.122	26.449
12	37.236	36.085	35.003	33.983	33.022	32.113	31.253	30.437	29.664	28.928
13	40.427	39.177	38.002	36.895	35.851	34.865	33.931	33.046	32.206	31.407
14	43.618	42.269	41.001	39.807	38.681	37.616	36.609	35.654	34.748	33.886
15	46.809	45.362	44.001	42.720	41.511	40.368	39.287	38.262	37.290	36.365
16	50.000	48.454	47.000	45.632	44.340	43.120	41.965	40.871	39.832	38.844
17	53.191	51.546	50.000	48.544	47.170	45.872	44.644	43.479	42.374	41.323
18	56.382	54.638	52.999	51.456	50.000	48.624	47.322	46.087	44.916	43.802
19	59.573	57.731	55.999	54.368	52.830	51.376	50.000	48.696	47.458	46.281
20	62.763	60.823	58.998	57.280	55.660	54.128	52.678	51.304	50.000	48.760
21	65.954	63.915	61.998	60.193	58.489	56.830	55.356	53.913	52.542	51.239
22	69.145	67.007	64.997	63.105	61.319	59.632	58.035	56.521	55.084	53.719
23	72.335	70.099	67.997	66.017	64.149	62.383	60.713	59.129	57.626	56.198
24	75.526	73.191	70.996	68.929	66.973	65.135	63.391	61.738	60.168	58.677
25	78.716	76.283	73.995	71.841	69.808	67.837	66.069	64.346	62.710	61.156
26	81.906	79.374	76.994	74.752	72.637	70.639	68.747	66.954	65.252	63.635
27	85.094	82.465	79.993	77.664	75.467	73.391	71.425	69.562	67.794	66.114
28	88.282	85.555	82.991	80.575	78.296	76.142	74.103	72.171	70.336	68.593
29	91.467	88.644	85.989	83.486	81.125	78.899	76.781	74.779	72.878	71.072
30	94.645	91.731	88.985	86.397	83.954	81.645	79.459	77.387	75.420	73.550
31	97.789	94.810	91.979	89.306	86.782	84.395	82.136	79.994	77.962	76.029
32		97.857	94.966	92.213	89.608	87.145	84.813	82.602	80.503	78.508
33			97.921	95.113	92.433	89.894	87.490	85.209	83.044	80.986
34				97.982	95.251	92.641	90.165	87.816	85.585	83.465
35					98.039	95.382	92.838	90.422	88.126	85.943
36						98.093	95.505	93.025	90.665	88.420
37							98.144	95.622	93.202	90.897
38								98.192	95.734	93.371
39									98.238	95.839
40										98.282

# MEDIAN RANKS

j/n	SAMPLE SIZE									
	41	42	43	44	45	46	47	48	49	50
1	1.676	1.637	1.599	1.563	1.528	1.495	1.464	1.434	1.405	1.377
2	4.060	3.964	3.872	3.785	3.702	3.622	3.545	3.472	3.402	3.334
3	6.469	6.316	6.170	6.031	5.898	5.771	5.649	5.532	5.420	5.312
4	8.883	8.673	8.473	8.282	8.099	7.925	7.757	7.597	7.443	7.295
5	11.300	11.033	10.778	10.535	10.303	10.080	9.867	9.663	9.467	9.279
6	13.717	13.393	13.084	12.789	12.507	12.237	11.979	11.731	11.493	11.265
7	16.135	15.754	15.391	15.043	14.712	14.394	14.090	13.799	13.519	13.250
8	18.554	18.115	17.697	17.298	16.917	16.551	16.202	15.867	15.545	15.236
9	20.972	20.477	20.004	19.553	19.122	18.709	18.314	17.935	17.571	17.222
10	23.391	22.838	22.311	21.808	21.327	20.867	20.426	20.003	19.598	19.209
11	25.810	25.200	24.618	24.063	23.532	23.025	22.538	22.072	21.625	21.195
12	28.228	27.562	26.926	26.318	25.738	25.182	24.650	24.140	23.651	23.181
13	30.647	29.924	29.233	28.574	27.943	27.340	26.763	26.209	25.678	25.168
14	33.066	32.285	31.540	30.829	30.149	29.498	28.875	28.278	27.705	27.154
15	35.485	34.647	33.848	33.084	32.355	31.656	30.988	30.347	29.731	29.141
16	37.905	37.009	36.155	35.340	34.560	33.814	33.100	32.415	31.758	31.127
17	40.324	39.371	38.463	37.595	36.766	35.972	35.212	34.484	33.785	33.114
18	42.743	41.733	40.770	39.851	38.972	38.130	37.325	36.553	35.822	35.100
19	45.162	44.095	43.078	42.106	41.177	40.289	39.437	38.622	37.839	37.087
20	47.581	46.457	45.385	44.361	43.383	42.447	41.550	40.690	39.866	39.074
21	50.000	48.819	47.692	46.617	45.589	44.605	43.662	42.759	41.892	41.060
22	52.419	51.181	50.000	48.872	47.794	46.763	45.775	44.825	43.919	43.047
23	54.838	53.543	52.307	51.128	50.000	48.921	47.887	46.897	45.946	45.033
24	57.257	55.905	54.615	53.383	52.206	51.079	50.000	48.966	47.973	47.020
25	59.676	58.267	56.922	55.639	54.411	53.237	52.112	51.034	50.000	49.007
26	62.095	60.629	59.230	57.894	56.617	55.395	54.225	53.103	52.027	50.993
27	64.514	62.991	61.537	60.149	58.823	57.553	56.337	55.172	54.054	52.980
28	66.933	65.353	63.845	62.405	61.028	59.711	58.450	57.241	56.081	54.966
29	69.352	67.714	66.152	64.660	63.234	61.869	60.562	59.310	58.107	56.953
30	71.771	70.076	68.459	66.916	65.440	64.027	62.675	61.378	60.134	58.940
31	74.190	72.438	70.767	69.171	67.645	66.186	64.767	63.447	62.161	60.926
32	76.609	74.800	73.074	71.426	69.851	68.344	66.900	65.516	64.188	62.913
33	79.028	77.162	75.381	73.681	72.056	70.502	69.012	67.585	66.215	64.899
34	81.446	79.523	77.689	75.937	74.262	72.660	71.125	69.653	68.242	66.886
35	83.865	81.885	79.996	78.192	76.467	74.817	73.237	71.722	70.268	68.873
36	86.283	84.246	82.303	80.447	78.673	76.975	75.349	73.791	72.295	70.859
37	88.700	86.607	84.609	82.702	80.878	79.133	77.462	75.859	74.322	72.646
38	91.117	86.967	86.916	84.956	83.083	81.291	79.574	77.928	76.349	74.832
39	93.531	91.327	89.222	87.211	85.283	83.448	81.686	79.997	78.375	76.819
40	95.940	93.684	91.527	89.465	87.493	85.606	83.798	82.065	80.402	78.805
41	98.324	96.036	93.830	91.718	89.697	87.763	85.910	84.133	82.428	80.791
42		95.363	96.127	93.969	91.900	89.920	88.021	86.201	84.455	82.778
43			98.401	96.215	94.102	92.075	90.132	88.269	86.481	84.764
44				98.437	96.298	94.229	92.243	90.337	88.507	86.750
45					98.471	96.378	94.351	92.403	90.532	88.735
46						98.504	96.455	94.468	92.557	90.721
47							98.536	96.528	94.580	92.705
48								98.566	96.598	94.688
49									98.595	96.666
50										98.623

5 PER CENT. RANKS

$j \setminus n$	SAMPLE SIZE									
	1	2	3	4	5	6	7	8	9	10
1	5.000	2.532	1.695	1.274	1.021	0.851	0.730	0.639	0.568	0.512
2		22.361	13.535	9.761	7.644	6.285	5.337	4.639	4.102	3.677
3			36.840	24.860	18.925	15.316	12.876	11.111	9.775	8.726
4				47.237	34.259	27.134	22.532	19.290	16.875	15.003
5					54.928	41.820	34.126	28.924	25.137	22.244
6						60.696	47.930	40.031	34.494	30.354
7							65.184	52.932	45.036	39.338
8								68.766	57.086	49.310
9									71.687	60.584
10										74.113

5 PER CENT. RANKS

$j \setminus n$	SAMPLE SIZE									
	11	12	13	14	15	16	17	18	19	20
1	0.465	0.426	0.394	0.366	0.341	0.320	0.301	0.285	0.270	0.256
2	3.332	3.046	2.805	2.600	2.423	2.268	2.132	2.011	1.903	1.806
3	7.882	7.187	6.605	6.110	5.685	5.315	4.990	4.702	4.446	4.217
4	13.507	12.285	11.267	10.405	9.666	9.025	8.464	7.969	7.529	7.135
5	19.958	18.102	16.566	15.272	14.166	13.211	12.377	11.643	10.991	10.408
6	27.125	24.530	22.395	20.607	19.086	17.777	16.636	15.634	14.747	13.955
7	34.981	31.524	28.705	26.358	24.373	22.669	21.191	19.895	18.750	17.731
8	43.563	39.086	35.480	32.503	29.999	27.860	26.011	24.396	22.972	21.707
9	52.991	47.267	42.738	39.041	35.956	33.337	31.083	29.120	27.395	25.865
10	63.564	56.189	50.535	45.999	42.256	39.101	36.401	34.060	32.009	30.195
11	76.160	66.132	58.990	53.434	48.925	45.165	41.970	39.215	36.811	34.693
12		77.908	68.366	61.461	56.022	51.560	47.808	44.595	41.806	39.358
13			79.418	70.327	63.656	58.343	53.945	50.217	47.003	44.197
14				80.736	72.060	65.617	60.436	56.112	52.420	49.218
15					81.896	73.604	67.381	62.332	58.088	54.442
16						82.925	74.988	68.974	64.057	59.897
17							83.843	76.234	70.420	65.634
18								84.668	77.363	71.738
19									85.413	78.389
20										86.089

5 PER CENT. RANKS

$\lambda/n$	SAMPLE SIZE									
	21	22	23	24	25	26	27	28	29	30
1	0.244	0.233	0.223	0.213	0.205	0.197	0.190	0.183	0.177	0.171
2	1.719	1.640	1.567	1.501	1.440	1.384	1.332	1.284	1.239	1.198
3	4.010	3.822	3.651	3.495	3.352	3.220	3.098	2.985	2.879	2.781
4	6.781	6.460	6.167	5.901	5.656	5.431	5.223	5.031	4.852	4.685
5	9.884	9.411	8.981	8.588	8.229	7.899	7.594	7.311	7.049	6.806
6	13.245	12.603	12.021	11.491	11.006	10.560	10.148	9.768	9.415	9.087
7	16.818	15.994	15.248	14.569	13.947	13.377	12.852	12.367	11.917	11.499
8	20.575	19.556	18.634	17.796	17.030	16.328	15.682	15.085	14.532	14.018
9	24.499	23.272	22.164	21.157	20.238	19.396	18.622	17.908	17.246	16.633
10	28.580	27.131	25.824	24.639	23.559	22.570	21.662	20.824	20.050	19.331
11	32.811	31.126	29.609	28.236	26.985	25.842	24.793	23.827	22.934	22.106
12	37.190	35.254	33.515	31.942	30.513	29.508	28.012	26.911	25.894	24.953
13	41.720	39.516	37.539	35.756	34.139	32.664	31.314	30.072	28.927	27.867
14	46.406	43.913	41.684	39.678	37.862	36.209	34.697	33.309	32.030	30.846
15	51.261	48.454	45.954	43.711	41.684	39.842	38.161	36.620	35.200	33.889
16	56.302	53.151	50.356	47.858	45.607	43.566	41.707	40.004	38.439	36.995
17	61.559	58.020	54.902	52.127	49.636	47.384	45.336	43.464	41.746	40.163
18	67.079	63.091	59.610	56.531	53.779	51.300	49.052	47.002	45.123	43.394
19	72.945	68.409	64.507	61.086	58.048	55.323	52.861	50.621	48.573	46.691
20	79.327	74.053	69.636	65.819	62.459	59.465	56.770	54.327	52.099	50.056
21	86.705	80.188	75.075	70.773	67.039	63.740	60.790	58.127	55.706	53.493
22		87.269	80.980	76.020	71.828	68.176	64.936	62.033	59.403	57.007
23			87.788	81.711	76.896	72.810	69.237	66.060	63.200	60.605
24				88.265	82.388	77.711	73.726	70.231	67.113	64.299
25					88.707	83.017	78.470	74.583	71.168	68.103
26						89.117	83.603	79.179	75.386	72.038
27							89.498	84.149	79.844	76.140
28								89.853	84.661	80.467
29									90.185	85.140
30										90.497

## 5 PER CENT. RANKS

$\lambda/n$	SAMPLE SIZE									
	31	32	33	34	35	36	37	38	39	40
1	0.165	0.160	0.155	0.151	0.146	0.142	0.138	0.135	0.131	0.128
2	1.158	1.122	1.086	1.055	1.025	0.996	0.969	0.943	0.919	0.896
3	2.690	2.604	2.524	2.448	2.377	2.310	2.246	2.186	2.129	2.075
4	4.530	4.384	4.246	4.120	3.999	3.885	3.778	3.676	3.580	3.488
5	6.578	6.365	6.166	5.978	5.802	5.636	5.479	5.331	5.190	5.057
6	8.781	8.495	8.227	7.976	7.739	7.516	7.306	7.107	6.919	6.740
7	11.109	10.745	10.404	10.084	9.783	9.499	9.232	8.979	8.740	8.513
8	13.540	13.093	12.675	12.283	11.914	11.567	11.240	10.931	10.638	10.361
9	16.061	15.528	15.029	14.561	14.122	13.708	13.318	12.950	12.601	12.271
10	18.662	18.038	17.455	16.909	16.396	15.913	15.458	15.028	14.622	14.237
11	21.336	20.618	19.948	19.319	18.730	18.175	17.653	17.160	16.694	16.252
12	24.077	23.262	22.501	21.788	21.119	20.491	19.898	19.340	18.812	18.312
13	26.883	25.966	25.111	24.310	23.560	22.855	22.191	21.565	20.973	20.413
14	29.749	28.727	27.775	26.884	26.049	25.265	24.527	23.832	23.175	22.553
15	32.674	31.544	30.491	29.507	28.585	27.719	26.905	26.138	25.414	24.729
16	35.657	34.415	33.258	32.177	31.165	30.216	29.324	28.483	27.690	26.940
17	38.698	37.339	36.074	34.894	33.789	32.754	31.781	30.865	30.001	29.185
18	41.797	40.317	38.940	37.657	36.457	35.332	34.276	33.283	32.346	31.461
19	44.956	43.349	41.656	40.466	39.167	37.951	36.809	35.736	34.725	33.770
20	48.175	46.436	44.823	43.321	41.920	40.609	39.380	38.224	37.136	36.109
21	51.458	49.581	47.841	46.225	44.717	43.309	41.988	40.748	39.581	38.480
22	54.810	52.786	50.914	49.177	47.560	46.049	44.634	43.307	42.058	40.881
23	58.234	56.055	54.344	52.181	50.448	48.832	47.320	45.902	44.569	43.314
24	64.739	59.314	57.235	55.239	53.385	51.658	50.045	48.534	47.114	45.778
25	65.336	62.810	60.493	58.355	56.374	54.532	52.812	51.204	49.694	48.275
26	69.036	66.313	63.824	61.534	59.416	57.454	55.624	53.914	52.311	50.805
27	72.563	69.916	67.237	64.754	62.523	60.429	58.483	56.666	54.966	53.370
28	76.650	73.640	70.748	68.113	65.695	63.483	61.392	59.463	57.661	55.972
29	81.054	77.518	74.375	71.535	68.944	66.561	64.357	62.309	60.399	58.612
30	85.591	81.606	76.150	75.069	72.282	69.732	67.384	65.209	63.185	61.294
31	90.789	86.015	82.127	78.747	75.728	72.990	70.482	68.168	66.021	64.021
32		91.063	86.415	82.619	79.312	76.352	73.663	71.196	68.916	66.797
33			91.322	86.793	83.085	79.848	76.946	74.304	71.876	69.629
34				91.566	87.150	83.526	80.357	77.510	74.915	72.525
35					91.797	87.488	83.946	80.841	78.048	75.497
36						92.015	87.809	84.344	81.302	78.560
37							92.222	88.115	84.723	81.741
38								92.419	88.405	85.085
39									92.606	88.681
40										92.784

## 5 PER CENT. RANKS

n	SAMPLE SIZE									
	41	42	43	44	45	46	47	48	49	50
1	0.125	0.122	0.119	0.116	0.114	0.111	0.109	0.107	0.105	0.102
2	0.874	0.853	0.833	0.814	0.795	0.778	0.761	0.745	0.730	0.715
3	2.024	1.975	1.928	1.884	1.842	1.801	1.762	1.725	1.689	1.655
4	3.402	3.319	3.240	3.165	3.093	3.025	2.959	2.897	2.836	2.779
5	4.930	4.810	4.695	4.586	4.481	4.382	4.286	4.195	4.108	4.024
6	6.570	6.409	6.256	6.109	5.969	5.836	5.708	5.586	5.469	5.357
7	8.298	8.093	7.898	7.713	7.536	7.366	7.205	7.050	6.902	6.760
8	10.097	9.847	9.609	9.382	9.166	8.959	8.762	8.573	8.392	8.218
9	11.958	11.660	11.377	11.107	10.850	10.605	10.370	10.146	9.931	9.725
10	13.872	13.525	13.195	12.881	12.582	12.296	12.023	11.762	11.512	11.272
11	15.833	15.436	15.058	14.698	14.355	14.028	13.715	13.416	13.130	12.856
12	17.838	17.389	16.961	16.554	16.166	15.796	15.443	15.105	14.782	14.472
13	19.883	19.379	18.901	18.445	18.012	17.598	17.203	16.825	16.464	16.117
14	21.964	21.406	20.875	20.370	19.889	19.430	18.993	18.574	18.174	17.790
15	24.081	23.466	22.881	22.326	21.796	21.292	20.810	20.350	19.910	19.488
16	26.230	25.557	24.918	24.311	23.732	23.180	22.654	22.151	21.671	21.210
17	28.412	27.679	26.984	26.323	25.694	25.095	24.523	23.977	23.455	22.955
18	30.624	29.831	29.078	28.363	27.683	27.034	26.416	25.825	25.261	24.721
19	32.867	32.011	31.200	30.429	29.696	28.997	28.331	27.696	27.088	26.507
20	35.138	34.219	33.348	32.520	31.733	30.984	30.269	29.588	28.936	28.313
21	37.440	36.455	35.522	34.636	33.794	32.993	32.229	31.500	30.804	30.138
22	39.770	38.719	37.722	36.777	35.879	35.025	34.210	33.434	32.692	31.980
23	42.129	41.009	39.949	38.943	37.987	37.078	36.212	35.387	34.599	33.845
24	44.518	43.328	42.201	41.133	40.118	39.154	38.235	37.360	36.524	35.726
25	46.937	45.674	44.480	43.347	42.273	41.251	40.279	39.353	38.469	37.625
26	49.388	48.050	46.785	45.587	44.451	43.371	42.344	41.366	40.432	39.541
27	51.869	50.454	49.117	47.852	46.652	45.513	44.430	43.398	42.415	41.476
28	54.385	52.889	51.478	50.143	48.878	47.678	46.537	45.451	44.416	43.428
29	56.935	55.356	53.868	52.461	51.129	49.866	48.666	47.524	46.436	45.399
30	59.522	57.857	56.288	54.807	53.406	52.078	50.817	49.618	48.477	47.388
31	62.149	60.393	58.741	57.183	55.710	54.315	52.991	51.734	50.537	49.396
32	64.820	62.968	61.228	59.590	58.042	56.578	55.190	53.871	52.617	51.423
33	67.539	65.585	63.753	62.029	60.404	58.868	57.413	56.032	54.720	53.470
34	70.311	68.248	66.318	64.505	62.798	61.187	59.662	58.217	56.844	55.538
35	73.146	70.963	68.927	67.020	65.227	63.537	61.940	60.427	58.991	57.627
36	76.053	73.738	71.587	69.578	67.694	65.921	64.247	62.664	61.164	59.738
37	79.049	76.584	74.306	72.185	70.203	68.341	66.587	64.931	63.362	61.874
38	82.160	79.517	77.093	74.849	72.759	70.805	68.963	67.228	65.589	64.034
39	85.429	82.561	79.964	77.580	75.370	73.309	71.378	69.561	67.846	66.222
40	88.945	85.759	82.944	80.392	78.046	75.870	73.838	71.932	70.136	68.440
41	92.954	89.196	86.073	83.310	80.802	78.494	76.350	74.347	72.465	70.691
42		93.116	89.437	86.374	83.661	81.196	78.924	76.812	74.836	72.978
43			93.270	89.666	86.662	83.998	81.573	79.337	77.256	75.306
44				93.418	89.887	86.939	84.321	81.936	79.734	77.683
45					93.560	90.098	87.204	84.631	82.285	80.117
46						93.695	90.300	87.459	84.929	82.621
47							93.825	90.494	87.703	85.216
48								93.950	90.681	87.939
49									94.069	90.860
50										94.184



95 PER CENT. RANKS

$\lambda/n$	SAMPLE SIZE									
	1	2	3	4	5	6	7	8	9	10
1	95.000	77.639	63.160	52.713	45.072	39.304	34.816	31.234	28.313	25.887
2		97.468	86.465	75.139	65.741	58.180	52.070	47.068	42.914	39.416
3			98.305	90.239	81.075	72.866	65.874	59.969	54.964	50.690
4				98.726	92.356	84.684	77.468	71.076	65.506	60.662
5					98.979	93.715	87.124	80.710	74.863	69.646
6						99.149	94.662	88.889	83.125	77.756
7							99.270	95.361	90.225	84.997
8								99.361	95.898	91.274
9									99.432	96.323
10										99.488

95 PER CENT. RANKS

$\lambda/n$	SAMPLE SIZE									
	11	12	13	14	15	16	17	18	19	20
1	23.840	22.092	20.582	19.264	18.104	17.075	16.157	15.332	14.587	13.911
2	36.436	33.868	31.634	29.673	27.940	26.396	25.012	23.766	22.637	21.611
3	47.009	43.811	41.010	38.539	36.344	34.383	32.619	31.026	29.580	28.262
4	56.437	52.733	49.465	46.566	43.978	41.657	39.564	37.668	35.943	34.366
5	65.019	60.914	57.262	54.000	51.075	48.440	46.055	43.888	41.912	40.103
6	72.875	68.476	64.520	60.928	57.744	54.835	52.192	49.783	47.580	45.558
7	80.042	75.470	71.295	67.497	64.043	60.899	58.029	55.404	52.997	50.782
8	86.492	81.898	77.604	73.641	70.001	66.663	63.599	60.784	58.194	55.803
9	92.118	87.715	83.434	79.393	75.627	72.140	68.917	65.940	63.188	60.641
10	96.668	92.813	88.733	84.728	80.913	77.331	73.989	70.880	67.991	65.307
11	99.535	96.954	93.395	89.595	85.834	82.223	78.809	75.604	72.605	69.805
12		99.573	97.195	93.890	90.334	86.789	83.364	80.105	77.028	74.135
13			99.606	97.400	94.315	90.975	87.623	84.366	81.250	78.293
14				99.634	97.577	94.685	91.535	88.357	85.253	82.269
15					99.659	97.732	95.010	92.030	89.009	86.045
16						99.680	97.868	95.297	92.471	89.592
17							99.699	97.989	95.553	92.865
18								99.715	98.097	95.783
19									99.730	98.193
20										99.744

95 PER CENT. RANKS

$j \setminus n$	SAMPLE SIZE									
	21	22	23	24	25	26	27	28	29	30
1	13.295	12.731	12.212	11.735	11.293	10.883	10.502	10.147	9.814	9.503
2	20.673	19.812	19.020	18.289	17.612	16.983	16.397	15.351	15.339	14.860
3	27.055	25.947	24.925	23.980	23.104	22.289	21.530	20.821	20.156	19.533
4	32.921	31.591	30.364	29.227	28.172	27.190	26.274	25.417	24.614	23.860
5	38.441	36.909	35.193	34.181	32.961	31.824	30.763	29.769	28.837	27.962
6	43.698	41.980	40.390	38.914	37.541	36.260	35.062	33.940	32.887	31.897
7	48.739	46.849	45.097	43.469	41.952	40.535	39.210	37.967	36.800	35.701
8	53.594	51.546	49.643	47.873	46.221	44.677	43.230	41.873	40.597	39.395
9	58.280	56.087	54.046	52.142	50.364	48.700	47.139	45.673	44.294	42.993
10	62.810	60.484	58.315	56.289	54.393	52.616	50.948	49.379	47.901	46.507
11	67.189	64.746	62.461	60.321	58.316	56.434	54.664	52.998	51.427	49.944
12	71.420	68.874	66.485	64.244	62.138	60.158	58.293	56.536	54.877	53.309
13	75.501	72.869	70.391	68.058	65.861	63.791	61.839	59.996	58.254	56.605
14	79.425	76.728	74.176	71.764	69.487	67.336	65.303	63.380	61.561	59.837
15	83.182	80.444	77.836	75.361	73.015	70.792	68.686	66.691	64.799	63.005
16	86.755	84.006	81.366	78.843	76.441	74.158	71.988	69.927	67.970	66.111
17	90.116	87.397	84.752	82.204	79.762	77.430	75.207	73.089	71.073	69.154
18	93.219	90.589	87.978	85.431	82.970	80.604	78.338	46.173	74.106	72.133
19	95.990	93.540	91.019	88.509	86.052	83.672	81.378	79.176	77.066	75.047
20	98.281	96.178	93.832	91.411	88.994	86.623	84.318	82.092	79.950	77.894
21	99.756	98.360	96.348	94.099	91.771	89.440	87.148	84.915	82.753	80.669
22		99.767	98.433	96.505	94.344	92.101	89.851	87.633	85.468	83.367
23			99.777	98.499	96.648	94.569	92.406	90.232	88.083	85.981
24				99.786	98.560	96.780	94.777	92.689	90.584	88.501
25					99.795	98.616	96.902	94.969	92.951	90.913
26						99.803	98.668	97.015	95.148	93.194
27							99.810	98.716	97.120	95.314
28								99.817	98.761	97.218
29									99.823	98.802
30										99.829

95 PER CENT. RANKS

$\lambda/n$	SAMPLE SIZE									
	31	32	33	34	35	36	37	38	39	40
1	9.211	8.937	8.678	8.434	8.203	7.985	7.778	7.581	7.394	7.216
2	14.409	13.985	13.585	13.207	12.850	12.512	12.191	11.885	11.595	11.319
3	18.946	18.394	17.873	17.381	16.915	16.474	16.054	15.656	15.277	14.915
4	23.150	22.482	21.850	21.253	20.688	20.152	19.643	19.159	18.698	18.259
5	27.137	26.360	25.625	24.931	24.272	23.648	23.054	22.490	21.952	21.440
6	30.964	30.084	29.252	28.465	27.718	27.010	26.337	25.696	25.085	24.503
7	34.665	33.687	32.763	31.887	31.056	30.268	29.518	28.804	28.124	27.475
8	38.261	37.190	36.176	35.216	34.305	33.439	32.616	31.832	31.084	30.371
9	41.766	40.606	39.507	38.466	37.477	36.537	35.643	34.791	33.979	33.203
10	45.190	43.945	42.765	41.645	40.582	39.571	38.608	37.691	36.815	35.979
11	48.542	47.214	45.956	44.761	43.626	42.546	41.517	40.537	39.601	38.706
12	51.825	50.419	49.086	47.819	46.615	45.468	44.376	43.334	42.339	41.388
13	55.044	53.564	52.159	50.823	49.552	48.341	47.187	46.086	45.034	44.028
14	58.203	56.651	55.177	53.775	52.440	51.168	49.955	48.796	47.689	46.630
15	61.302	59.683	58.144	56.678	55.282	53.951	52.680	51.466	50.305	49.195
16	64.343	62.661	61.060	59.534	58.080	56.691	55.366	54.098	52.886	51.725
17	67.326	65.585	63.926	62.343	60.833	59.391	58.012	56.693	55.431	54.222
18	70.251	68.456	66.742	65.106	63.543	62.049	60.620	59.252	57.942	56.686
19	73.117	71.272	69.509	67.823	66.210	64.668	63.190	61.776	60.419	59.119
20	75.922	74.034	72.225	70.493	68.835	67.246	65.723	64.264	62.864	61.520
21	78.664	76.738	74.889	73.116	71.415	69.784	68.219	66.717	65.275	63.891
22	81.338	79.382	77.499	75.689	73.951	72.280	70.676	69.135	67.654	66.230
23	83.939	81.961	80.052	78.212	76.440	74.735	73.094	71.517	69.999	68.539
24	86.460	84.472	82.545	80.680	78.881	77.145	75.473	73.862	72.310	70.815
25	88.891	86.907	84.971	83.091	81.270	79.509	77.809	76.168	74.586	73.060
26	91.219	89.255	87.325	85.439	83.604	81.825	80.101	78.435	76.825	75.270
27	93.422	91.505	89.596	87.717	85.878	84.087	82.347	80.660	79.027	77.447
28	95.470	93.635	91.772	89.916	88.086	86.292	84.542	82.840	81.188	79.587
29	97.310	95.615	93.834	92.024	90.217	88.433	86.682	84.972	83.306	81.688
30	98.841	97.396	95.752	94.021	92.261	90.501	88.760	87.050	85.378	83.746
31	99.835	98.878	97.476	95.880	94.198	92.483	90.768	89.069	87.399	85.763
32		99.840	98.912	97.552	96.001	94.364	92.694	91.021	89.362	87.729
33			99.845	98.945	97.623	96.114	94.521	92.893	91.260	89.639
34				99.849	98.975	97.690	96.222	94.669	93.081	91.487
35					99.854	99.004	97.754	96.324	94.810	93.260
36						99.858	99.031	97.814	96.420	94.943
37							99.861	99.057	97.871	96.511
38								99.865	99.081	97.925
39									99.869	99.104
40										99.872

SAMPLE SIZE

$j \setminus n$	41	42	43	44	45	46	47	48	49	50
1	7.046	6.884	6.730	6.582	6.440	6.305	6.175	6.050	5.931	5.816
2	11.055	10.804	10.563	10.334	10.113	9.902	9.700	9.506	9.319	9.140
3	14.571	14.241	13.927	13.626	13.338	13.061	12.796	12.541	12.297	12.061
4	17.840	17.439	17.056	16.690	16.339	16.002	15.679	15.369	15.071	14.784
5	20.951	20.483	20.036	19.608	19.198	18.804	18.427	18.064	17.715	17.379
6	23.947	23.416	22.907	22.420	21.954	21.506	21.076	20.663	20.266	19.883
7	26.854	26.262	25.694	25.151	24.630	24.130	23.650	23.188	22.744	22.317
8	29.689	29.037	28.413	27.814	27.241	26.691	26.162	25.623	25.164	24.694
9	32.461	31.752	31.073	30.422	29.797	29.198	28.622	28.068	27.535	27.022
10	35.180	34.415	33.682	32.980	32.306	31.659	31.037	30.439	29.864	29.309
11	37.851	37.032	36.247	35.495	34.773	34.079	33.413	32.772	32.154	31.560
12	40.478	39.607	38.772	37.971	37.202	36.463	35.753	35.069	34.411	33.778
13	43.065	42.143	41.259	40.410	39.596	38.813	38.060	37.336	36.698	35.933
14	45.615	44.644	43.712	42.817	41.958	41.132	40.338	39.573	38.836	38.126
15	48.131	47.110	46.132	45.193	44.290	43.422	42.587	41.783	41.008	40.262
16	50.612	49.546	48.522	47.539	46.594	45.665	44.810	43.968	43.156	42.373
17	53.062	51.950	50.883	49.857	48.871	47.922	47.009	46.129	45.280	44.462
18	55.482	54.326	53.215	52.148	51.122	50.134	49.183	48.266	47.382	46.530
19	57.871	56.672	55.520	54.413	53.348	52.322	51.334	50.382	49.463	48.577
20	60.230	58.991	57.799	56.653	55.549	54.487	53.463	52.476	51.523	50.604
21	62.560	61.281	60.051	58.867	57.727	56.629	55.570	54.549	53.563	52.612
22	64.861	63.545	62.273	61.057	59.882	58.749	57.556	56.602	55.584	54.801
23	67.133	65.781	64.478	63.223	62.013	60.846	59.721	58.634	57.585	56.572
24	69.376	67.989	66.652	65.363	64.121	62.922	61.765	60.647	59.568	58.524
25	71.588	70.169	68.800	67.480	66.205	64.975	63.787	62.640	61.531	60.459
26	73.769	72.320	70.922	69.571	68.267	67.007	65.790	64.613	63.476	62.375
27	75.919	74.443	73.016	71.637	70.304	69.016	67.771	66.566	65.401	64.274
28	78.035	76.534	75.082	73.677	72.317	71.002	69.730	68.500	67.308	66.155
29	80.117	78.594	77.119	75.689	74.306	72.966	71.668	70.412	69.196	68.017
30	82.162	80.621	79.125	77.674	76.268	74.905	73.584	72.304	71.064	69.862
31	84.166	82.611	81.099	79.630	78.203	76.819	75.477	74.175	72.912	71.687
32	86.128	84.564	83.039	81.554	80.111	78.708	77.346	76.023	74.739	73.493
33	88.042	86.475	84.942	83.446	81.988	80.569	79.190	77.848	76.545	75.279
34	89.903	88.340	86.805	85.302	83.834	82.402	81.007	79.650	78.329	77.045
35	91.702	90.153	88.623	87.119	85.645	84.204	82.797	81.426	80.090	78.790
36	93.430	91.907	90.391	88.892	87.418	85.972	84.557	83.175	81.826	80.511
37	95.070	93.591	92.102	90.618	89.150	87.704	86.285	84.895	83.536	82.210
38	96.598	95.190	93.744	92.287	90.834	89.395	87.977	86.584	85.218	83.882
39	97.976	96.681	95.305	93.891	92.464	91.041	89.630	88.238	86.870	85.528
40	99.126	98.025	96.760	95.414	94.030	92.633	91.238	89.854	88.488	87.144
41	99.875	99.147	98.071	96.835	95.518	94.164	92.795	91.427	90.069	88.728
42		99.878	99.167	98.116	96.907	95.618	94.291	92.950	91.608	90.275
43			99.881	99.186	98.158	96.975	95.714	94.414	93.098	91.781
44				99.883	99.205	98.199	97.041	95.805	94.531	93.240
45					99.886	99.222	98.238	97.103	95.892	94.643
46						99.889	99.239	98.275	97.163	95.976
47							99.891	99.255	98.311	97.221
48								99.893	99.270	98.345
49									99.895	99.285
50										99.897