Supplementary Online Material for

On Fitting a Straight Line to Data When the Error in Both Variables is Unknown

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Confidence Interval Tables

Listed below are tables for M = 5 - 20, 25, 35, 50, 100, 500, 1000 and ∞. Each table provides, as a function of the calculated correlation coefficient $\hat{r}$, the $\alpha/\hat{\alpha}_{GMR}$ lower and upper limits for the 80%, 90%, 95% and 99%confidence intervals. Confidence intervals end when they become broad enough to include $\alpha/\hat{\alpha}_{GMR} = 0$. In each table the column for the 80% lower limit confidence interval for $\alpha/\hat{\alpha}_{GMR}$ is headed "80% L," the 80% upper limit is headed "80% U" with similar notation for the 90%, 95% and 99% confidence upper and lower limits.

When the table for a particular value of M is not listed the relevant parameter values can be obtained by linear interpolation. For example, $L_{21}(0.88)$, the 95% lower limit M = 21 and $\hat{r}_{21} = 0.88$, is found from $L_{20}(0.88)$ plus one fifth of the difference $L_{25}(0.88) - L_{20}(0.88)$, i.e.,

$$L_{21}(0.88) = 0.7116 + (0.7414 - 0.7116)/5 = 0.7176 .$$

Table S1.

$M = 5$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.7774	1.2724	0.6589	1.4703	0.5079	1.7727		
0.98	0.6982	1.3891	0.5506	1.6669	0.3544	2.1029		
0.97	0.6470	1.4688	0.4768	1.8073	0.2347	2.3482		
0.96	0.6055	1.5360	0.4156	1.9290	0.1189	2.5677		
0.95	0.5688	1.5964	0.3591	2.0410				
0.94	0.5344	1.6508	0.3029	2.1440				
0.93	0.5033	1.7027	0.2499	2.2442				
0.92	0.4735	1.7502	0.1948	2.3393				
0.91	0.4437	1.7953	0.1351	2.4297				
0.90	0.4144	1.8402	0.0716	2.5172				
0.89	0.3855	1.8839	0.0037	2.6034				
0.88	0.3567	1.9240						
0.87	0.3273	1.9633						
0.86	0.2974	1.9995						
0.85	0.2676	2.0347						
0.84	0.2388	2.0742						
0.83	0.2064	2.1135						
0.82	0.1726	2.1487						
0.81	0.1388	2.1784						
0.80	0.1029	2.2102						
0.79	0.0685	2.2464						
0.78	0.0298	2.2807						

Table S2.

$M = 6$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.8507	1.1772	0.7826	1.2799	0.7043	1.4179	0.4546	2.0287
0.98	0.7883	1.2639	0.6997	1.4162	0.5992	1.6270	0.2474	2.6382
0.97	0.7469	1.3282	0.6442	1.5219	0.5272	1.7979	0.0354	3.2118
0.96	0.7130	1.3831	0.5983	1.6150	0.4658	1.9516		
0.95	0.6837	1.4322	0.5581	1.7002	0.4102	2.0945		
0.94	0.6574	1.4790	0.5213	1.7829	0.3568	2.2381		
0.93	0.6322	1.5239	0.4858	1.8635	0.3019	2.3804		
0.92	0.6085	1.5663	0.4519	1.9413	0.2451	2.5186		
0.91	0.5855	1.6068	0.4182	2.0181	0.1858	2.6638		
0.90	0.5631	1.6466	0.3845	2.0957	0.1219	2.8100		
0.89	0.5415	1.6865	0.3501	2.1714	0.0493	2.9516		
0.88	0.5204	1.7243	0.3166	2.2411				
0.87	0.4995	1.7621	0.2834	2.3171				
0.86	0.4780	1.7990	0.2464	2.3920				
0.85	0.4566	1.8339	0.2069	2.4634				
0.84	0.4352	1.8709	0.1664	2.5390				
0.83	0.4131	1.9064	0.1228	2.6094				
0.82	0.3907	1.9400	0.0754	2.6787				
0.81	0.3685	1.9768	0.0249	2.7542				
0.80	0.3467	2.0116						
0.79	0.3232	2.0415						
0.78	0.3000	2.0740						
0.77	0.2765	2.1119						
0.76	0.2503	2.1499						
0.75	0.2219	2.1844						
0.74	0.1950	2.2157						
0.73	0.1677	2.2453						
0.72	0.1367	2.2775						
0.71	0.1050	2.3070						
0.70	0.0697	2.3348						
0.69	0.0368	2.3716						
0.68	0.0008	2.4057						

Table S3.

$M = 7$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.8841	1.1335	0.8364	1.1998	0.7850	1.2809	0.6400	1.5763
0.98	0.8324	1.2013	0.7687	1.3007	0.7010	1.4246	0.5113	1.9058
0.97	0.7973	1.2531	0.7225	1.3817	0.6430	1.5455	0.4170	2.2209
0.96	0.7684	1.2981	0.6842	1.4545	0.5951	1.6583	0.3279	2.5464
0.95	0.7426	1.3398	0.6499	1.5216	0.5509	1.7641	0.2329	2.8836
0.94	0.7194	1.3798	0.6191	1.5874	0.5107	1.8690	0.1292	3.2336
0.93	0.6982	1.4178	0.5906	1.6520	0.4736	1.9755		
0.92	0.6783	1.4539	0.5641	1.7137	0.4380	2.0820		
0.91	0.6588	1.4890	0.5379	1.7762	0.4020	2.1880		
0.90	0.6398	1.5244	0.5117	1.8397	0.3658	2.2958		
0.89	0.6216	1.5595	0.4867	1.9028	0.3297	2.4115		
0.88	0.6040	1.5949	0.4622	1.9685	0.2922	2.5304		
0.87	0.5869	1.6285	0.4376	2.0328	0.2519	2.6440		
0.86	0.5694	1.6610	0.4119	2.0931	0.2085	2.7549		
0.85	0.5516	1.6956	0.3851	2.1581	0.1622	2.8858		
0.84	0.5340	1.7293	0.3584	2.2238	0.1134	3.0186		
0.83	0.5169	1.7618	0.3323	2.2857	0.0600	3.1363		
0.82	0.4994	1.7927	0.3052	2.3487				
0.81	0.4810	1.8288	0.2754	2.4224				
0.80	0.4635	1.8665	0.2450	2.4961				
0.79	0.4456	1.8987	0.2144	2.5667				
0.78	0.4268	1.9318	0.1817	2.6360				
0.77	0.4085	1.9657	0.1474	2.7067				
0.76	0.3898	1.9990	0.1103	2.7757				
0.75	0.3688	2.0299	0.0660	2.8393				
0.74	0.3479	2.0643	0.0198	2.9123				
0.73	0.3269	2.1034						
0.72	0.3057	2.1334						
0.71	0.2844	2.1655						
0.70	0.2612	2.2032						
0.69	0.2375	2.2326						
0.68	0.2127	2.2671						
0.67	0.1850	2.3027						
0.66	0.1573	2.3370						
0.65	0.1301	2.3692						
0.64	0.0988	2.3976						
0.63	0.0666	2.4326						
0.62	0.0337	2.4675						

Table S4.

$M = 8$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9031	1.1099	0.8658	1.1593	0.8271	1.2151	0.7249	1.3944
0.98	0.8584	1.1660	0.8079	1.2393	0.7561	1.3249	0.6203	1.6137
0.97	0.8269	1.2092	0.7666	1.3044	0.7050	1.4175	0.5446	1.8156
0.96	0.8011	1.2476	0.7326	1.3636	0.6636	1.5028	0.4805	2.0188
0.95	0.7784	1.2831	0.7031	1.4185	0.6268	1.5849	0.4223	2.2328
0.94	0.7576	1.3170	0.6761	1.4720	0.5928	1.6679	0.3658	2.4650
0.93	0.7385	1.3498	0.6511	1.5248	0.5624	1.7497	0.3080	2.7045
0.92	0.7205	1.3818	0.6275	1.5772	0.5326	1.8325	0.2468	2.9596
0.91	0.7036	1.4131	0.6051	1.6301	0.5039	1.9186	0.1826	3.2479
0.90	0.6871	1.4433	0.5832	1.6824	0.4762	2.0056	0.1132	3.5584
0.89	0.6713	1.4749	0.5618	1.7369	0.4481	2.0954	0.0186	3.8789
0.88	0.6555	1.5060	0.5410	1.7904	0.4200	2.1853		
0.87	0.6396	1.5361	0.5202	1.8438	0.3915	2.2799		
0.86	0.6244	1.5666	0.4997	1.8993	0.3633	2.3782		
0.85	0.6092	1.5964	0.4789	1.9544	0.3340	2.4754		
0.84	0.5940	1.6274	0.4578	2.0120	0.3021	2.5803		
0.83	0.5788	1.6610	0.4365	2.0746	0.2701	2.6940		
0.82	0.5635	1.6930	0.4145	2.1356	0.2377	2.8088		
0.81	0.5489	1.7225	0.3932	2.1939	0.2013	2.9189		
0.80	0.5335	1.7531	0.3710	2.2509	0.1617	3.0281		
0.79	0.5171	1.7850	0.3471	2.3115	0.1206	3.1438		
0.78	0.5015	1.8179	0.3240	2.3784	0.0770	3.2668		
0.77	0.4856	1.8529	0.2988	2.4502	0.0220	3.4044		
0.76	0.4691	1.8845	0.2731	2.5123				
0.75	0.4533	1.9141	0.2478	2.5699				
0.74	0.4365	1.9486	0.2208	2.6421				
0.73	0.4193	1.9831	0.1915	2.7168				
0.72	0.4023	2.0175	0.1602	2.7861				
0.71	0.3838	2.0535	0.1260	2.8598				
0.70	0.3655	2.0901	0.0908	2.9394				
0.69	0.3476	2.1255	0.0557	3.0118				
0.68	0.3276	2.1569	0.0105	3.0806				
0.67	0.3053	2.1880						
0.66	0.2838	2.2218						
0.65	0.2624	2.2615						
0.64	0.2394	2.2996						
0.63	0.2163	2.3311						
0.62	0.1909	2.3641						
0.61	0.1627	2.4044						
0.60	0.1366	2.4436						
0.59	0.1079	2.4766						
0.58	0.0774	2.5119						

0.57	0.0469	2.5513
0.56	0.0103	2.5851

Table S5.

$M = 9$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9153	1.0946	0.8841	1.1347	0.8526	1.1781	0.7730	1.3040
0.98	0.8755	1.1431	0.8330	1.2024	0.7906	1.2680	0.6849	1.4669
0.97	0.8473	1.1811	0.7961	1.2577	0.7454	1.3442	0.6204	1.6159
0.96	0.8236	1.2145	0.7651	1.3071	0.7075	1.4139	0.5655	1.7620
0.95	0.8027	1.2456	0.7382	1.3544	0.6743	1.4818	0.5163	1.9144
0.94	0.7837	1.2755	0.7135	1.4009	0.6443	1.5482	0.4718	2.0751
0.93	0.7659	1.3043	0.6905	1.4456	0.6166	1.6138	0.4289	2.2454
0.92	0.7493	1.3325	0.6691	1.4904	0.5901	1.6832	0.3861	2.4311
0.91	0.7339	1.3606	0.6487	1.5358	0.5650	1.7525	0.3467	2.6230
0.90	0.7184	1.3879	0.6289	1.5804	0.5405	1.8222	0.3015	2.8316
0.89	0.7035	1.4150	0.6096	1.6255	0.5166	1.8963	0.2530	3.0692
0.88	0.6894	1.4427	0.5909	1.6714	0.4930	1.9714	0.2064	3.3189
0.87	0.6746	1.4707	0.5720	1.7188	0.4688	2.0488	0.1507	3.5840
0.86	0.6605	1.4983	0.5532	1.7661	0.4454	2.1260	0.0859	3.8698
0.85	0.6474	1.5266	0.5359	1.8134	0.4227	2.2057	0.0154	4.1857
0.84	0.6337	1.5554	0.5178	1.8638	0.3982	2.2950		
0.83	0.6197	1.5835	0.4993	1.9172	0.3731	2.3874		
0.82	0.6059	1.6113	0.4809	1.9704	0.3486	2.4778		
0.81	0.5926	1.6406	0.4625	2.0232	0.3234	2.5722		
0.80	0.5791	1.6716	0.4448	2.0787	0.2978	2.6746		
0.79	0.5652	1.7009	0.4257	2.1334	0.2703	2.7798		
0.78	0.5508	1.7296	0.4056	2.1883	0.2395	2.8800		
0.77	0.5358	1.7618	0.3845	2.2513	0.2047	2.9965		
0.76	0.5218	1.7945	0.3632	2.3162	0.1712	3.1160		
0.75	0.5079	1.8264	0.3440	2.3785	0.1361	3.2360		
0.74	0.4927	1.8596	0.3223	2.4409	0.0980	3.3613		
0.73	0.4782	1.8932	0.2996	2.5066	0.0556	3.4891		
0.72	0.4633	1.9264	0.2771	2.5777	0.0046	3.6314		
0.71	0.4476	1.9627	0.2534	2.6533				
0.70	0.4316	1.9984	0.2274	2.7256				
0.69	0.4140	2.0290	0.1992	2.7910				
0.68	0.3967	2.0625	0.1710	2.8599				
0.67	0.3803	2.0964	0.1409	2.9287				
0.66	0.3627	2.1336	0.1083	3.0082				
0.65	0.3442	2.1723	0.0726	3.0883				
0.64	0.3244	2.2068	0.0321	3.1626				
0.63	0.3047	2.2447						
0.62	0.2855	2.2875						
0.61	0.2637	2.3231						
0.60	0.2415	2.3543						
0.59	0.2198	2.3922						
0.58	0.1974	2.4318						

0.57	0.1725	2.4713
0.56	0.1455	2.5095
0.55	0.1159	2.5476
0.54	0.0857	2.5856
0.53	0.0544	2.6235
0.52	0.0179	2.6661

Table S6.

$M = 10$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9239	1.0843	0.8967	1.1186	0.8697	1.1545	0.8037	1.2509
0.98	0.8876	1.1273	0.8503	1.1775	0.8140	1.2309	0.7266	1.3801
0.97	0.8614	1.1607	0.8164	1.2254	0.7727	1.2954	0.6686	1.4979
0.96	0.8397	1.1909	0.7883	1.2694	0.7387	1.3553	0.6201	1.6125
0.95	0.8203	1.2193	0.7632	1.3113	0.7082	1.4137	0.5770	1.7326
0.94	0.8027	1.2463	0.7402	1.3516	0.6803	1.4711	0.5377	1.8573
0.93	0.7864	1.2725	0.7192	1.3911	0.6548	1.5275	0.5003	1.9847
0.92	0.7704	1.2977	0.6987	1.4296	0.6302	1.5830	0.4640	2.1173
0.91	0.7558	1.3226	0.6799	1.4689	0.6072	1.6416	0.4288	2.2652
0.90	0.7413	1.3477	0.6614	1.5089	0.5848	1.7022	0.3952	2.4226
0.89	0.7271	1.3726	0.6430	1.5485	0.5625	1.7626	0.3601	2.5817
0.88	0.7140	1.3967	0.6263	1.5876	0.5418	1.8235	0.3243	2.7536
0.87	0.7010	1.4221	0.6099	1.6290	0.5218	1.8881	0.2912	2.9499
0.86	0.6882	1.4484	0.5932	1.6726	0.5011	1.9582	0.2546	3.1665
0.85	0.6750	1.4741	0.5761	1.7166	0.4794	2.0333	0.2140	3.4264
0.84	0.6621	1.4998	0.5593	1.7595	0.4581	2.1049	0.1677	3.6830
0.83	0.6495	1.5257	0.5431	1.8038	0.4379	2.1776	0.1165	3.9413
0.82	0.6370	1.5531	0.5271	1.8533	0.4175	2.2609	0.0553	4.2309
0.81	0.6245	1.5814	0.5108	1.9033	0.3960	2.3422		
0.80	0.6118	1.6084	0.4943	1.9496	0.3744	2.4189		
0.79	0.5995	1.6360	0.4780	2.0004	0.3517	2.5125		
0.78	0.5864	1.6640	0.4604	2.0520	0.3282	2.6119		
0.77	0.5734	1.6928	0.4427	2.1054	0.3052	2.7068		
0.76	0.5600	1.7239	0.4246	2.1648	0.2784	2.8074		
0.75	0.5465	1.7548	0.4072	2.2246	0.2538	2.9176		
0.74	0.5335	1.7867	0.3894	2.2857	0.2264	3.0342		
0.73	0.5201	1.8189	0.3699	2.3437	0.1960	3.1478		
0.72	0.5055	1.8511	0.3500	2.4047	0.1660	3.2638		
0.71	0.4912	1.8844	0.3297	2.4695	0.1300	3.3882		
0.70	0.4773	1.9144	0.3090	2.5333	0.0938	3.5157		
0.69	0.4623	1.9461	0.2874	2.6028	0.0548	3.6430		
0.68	0.4476	1.9833	0.2653	2.6747	0.0064	3.7788		
0.67	0.4327	2.0204	0.2425	2.7448				
0.66	0.4170	2.0592	0.2183	2.8260				
0.65	0.4001	2.0953	0.1910	2.9037				
0.64	0.3828	2.1289	0.1620	2.9737				
0.63	0.3664	2.1658	0.1333	3.0498				
0.62	0.3485	2.2040	0.1018	3.1356				
0.61	0.3305	2.2455	0.0687	3.2242				
0.60	0.3118	2.2844	0.0314	3.2985				
0.59	0.2912	2.3207						
0.58	0.2710	2.3616						

0.57	0.2502	2.3993
0.56	0.2278	2.4400
0.55	0.2036	2.4855
0.54	0.1805	2.5251
0.53	0.1540	2.5643
0.52	0.1259	2.6078
0.51	0.0993	2.6557
0.50	0.0677	2.6971
0.49	0.0350	2.7369
0.48	0.0027	2.7799

Table S7.

$M = 11$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9304	1.0767	0.9061	1.1067	0.8823	1.1376	0.8265	1.2179
0.98	0.8968	1.1158	0.8636	1.1596	0.8314	1.2051	0.7568	1.3278
0.97	0.8725	1.1465	0.8322	1.2028	0.7934	1.2618	0.7036	1.4260
0.96	0.8520	1.1739	0.8055	1.2423	0.7612	1.3150	0.6583	1.5204
0.95	0.8341	1.1996	0.7822	1.2798	0.7329	1.3667	0.6179	1.6182
0.94	0.8174	1.2239	0.7608	1.3155	0.7071	1.4159	0.5825	1.7158
0.93	0.8017	1.2478	0.7408	1.3510	0.6831	1.4657	0.5497	1.8177
0.92	0.7870	1.2710	0.7220	1.3860	0.6604	1.5155	0.5180	1.9277
0.91	0.7728	1.2938	0.7035	1.4211	0.6386	1.5660	0.4873	2.0469
0.90	0.7590	1.3173	0.6860	1.4574	0.6178	1.6175	0.4571	2.1631
0.89	0.7459	1.3399	0.6692	1.4925	0.5971	1.6704	0.4265	2.2887
0.88	0.7331	1.3627	0.6530	1.5286	0.5773	1.7248	0.3972	2.4260
0.87	0.7205	1.3866	0.6370	1.5666	0.5581	1.7806	0.3683	2.5842
0.86	0.7078	1.4105	0.6206	1.6046	0.5384	1.8389	0.3391	2.7509
0.85	0.6956	1.4344	0.6049	1.6431	0.5201	1.8999	0.3074	2.9196
0.84	0.6838	1.4583	0.5902	1.6821	0.5012	1.9631	0.2741	3.1201
0.83	0.6719	1.4829	0.5752	1.7234	0.4823	2.0298	0.2418	3.3391
0.82	0.6600	1.5080	0.5599	1.7664	0.4638	2.1012	0.2082	3.5604
0.81	0.6478	1.5338	0.5443	1.8109	0.4441	2.1734	0.1688	3.8229
0.80	0.6359	1.5593	0.5290	1.8564	0.4258	2.2451	0.1254	4.0935
0.79	0.6242	1.5849	0.5140	1.9011	0.4067	2.3228	0.0737	4.3569
0.78	0.6119	1.6125	0.4980	1.9500	0.3855	2.4085	0.0045	4.7028
0.77	0.6001	1.6424	0.4826	2.0026	0.3655	2.4979		
0.76	0.5885	1.6715	0.4673	2.0531	0.3451	2.5853		
0.75	0.5752	1.6989	0.4501	2.1043	0.3231	2.6769		
0.74	0.5621	1.7289	0.4330	2.1614	0.3001	2.7810		
0.73	0.5498	1.7603	0.4170	2.2169	0.2769	2.8763		
0.72	0.5369	1.7894	0.3999	2.2715	0.2544	2.9802		
0.71	0.5241	1.8199	0.3822	2.3314	0.2286	3.0965		
0.70	0.5106	1.8533	0.3640	2.3957	0.1995	3.2164		
0.69	0.4969	1.8863	0.3451	2.4604	0.1713	3.3450		
0.68	0.4833	1.9205	0.3266	2.5257	0.1406	3.4758		
0.67	0.4689	1.9543	0.3071	2.5962	0.1065	3.6132		
0.66	0.4546	1.9901	0.2863	2.6669	0.0676	3.7413		
0.65	0.4397	2.0283	0.2644	2.7419	0.0242	3.8816		
0.64	0.4249	2.0653	0.2424	2.8216				
0.63	0.4094	2.1023	0.2183	2.8951				
0.62	0.3921	2.1396	0.1919	2.9676				
0.61	0.3765	2.1769	0.1653	3.0472				
0.60	0.3601	2.2138	0.1385	3.1331				
0.59	0.3424	2.2551	0.1097	3.2198				
0.58	0.3251	2.3025	0.0768	3.3162				

0.57	0.3070	2.3467	0.0418	3.4077
0.56	0.2873	2.3888	0.0014	3.4990
0.55	0.2649	2.4302		
0.54	0.2437	2.4703		
0.53	0.2232	2.5116		
0.52	0.2004	2.5559		
0.51	0.1752	2.6032		
0.50	0.1505	2.6467		
0.49	0.1242	2.6881		
0.48	0.0945	2.7375		
0.47	0.0642	2.7830		
0.46	0.0300	2.8176		

Table S8.

$M = 12$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9355	1.0708	0.9134	1.0980	0.8920	1.1253	0.8424	1.1935
0.98	0.9041	1.1068	0.8737	1.1459	0.8448	1.1857	0.7787	1.2868
0.97	0.8813	1.1354	0.8443	1.1857	0.8091	1.2376	0.7298	1.3739
0.96	0.8620	1.1606	0.8194	1.2215	0.7790	1.2849	0.6881	1.4574
0.95	0.8447	1.1840	0.7970	1.2550	0.7520	1.3303	0.6506	1.5373
0.94	0.8288	1.2067	0.7766	1.2878	0.7275	1.3750	0.6164	1.6194
0.93	0.8140	1.2287	0.7576	1.3206	0.7048	1.4194	0.5854	1.7075
0.92	0.7997	1.2498	0.7395	1.3523	0.6831	1.4635	0.5565	1.7966
0.91	0.7863	1.2713	0.7223	1.3843	0.6625	1.5091	0.5274	1.8919
0.90	0.7736	1.2930	0.7060	1.4170	0.6433	1.5563	0.5008	1.9966
0.89	0.7611	1.3148	0.6902	1.4492	0.6244	1.6032	0.4752	2.1032
0.88	0.7483	1.3365	0.6740	1.4831	0.6050	1.6521	0.4478	2.2183
0.87	0.7360	1.3579	0.6586	1.5177	0.5863	1.7028	0.4208	2.3426
0.86	0.7244	1.3796	0.6441	1.5512	0.5688	1.7547	0.3946	2.4657
0.85	0.7127	1.4020	0.6290	1.5866	0.5512	1.8078	0.3692	2.6026
0.84	0.7008	1.4251	0.6142	1.6240	0.5332	1.8629	0.3427	2.7523
0.83	0.6889	1.4475	0.5996	1.6597	0.5155	1.9192	0.3149	2.9101
0.82	0.6776	1.4703	0.5850	1.6969	0.4984	1.9794	0.2873	3.1061
0.81	0.6665	1.4956	0.5707	1.7394	0.4812	2.0460	0.2569	3.3292
0.80	0.6549	1.5216	0.5563	1.7827	0.4634	2.1124	0.2242	3.5257
0.79	0.6432	1.5460	0.5415	1.8248	0.4443	2.1802	0.1916	3.735
0.78	0.6320	1.5702	0.5268	1.8667	0.4260	2.2545	0.1547	3.9806
0.77	0.6207	1.5965	0.5124	1.9122	0.4096	2.3318	0.1112	4.2616
0.76	0.6087	1.6240	0.4979	1.9603	0.3914	2.4112	0.0647	4.5699
0.75	0.5963	1.6504	0.4829	2.0075	0.3718	2.4939	0.0012	4.8939
0.74	0.5851	1.6787	0.4680	2.0576	0.3522	2.5790		
0.73	0.5736	1.7085	0.4530	2.1109	0.3335	2.6730		
0.72	0.5617	1.7390	0.4376	2.1656	0.3144	2.7664		
0.71	0.5498	1.7697	0.4217	2.2236	0.2925	2.8680		
0.70	0.5367	1.8005	0.4047	2.2831	0.2686	2.9769		
0.69	0.5237	1.8322	0.3876	2.3417	0.2445	3.0829		
0.68	0.5111	1.8654	0.3710	2.4036	0.2213	3.2073		
0.67	0.4982	1.9001	0.3537	2.4711	0.1955	3.3323		
0.66	0.4851	1.9357	0.3353	2.5415	0.1665	3.4543		
0.65	0.4710	1.9724	0.3164	2.6119	0.1354	3.5983		
0.64	0.4564	2.0088	0.2967	2.6832	0.1036	3.7432		
0.63	0.4421	2.0440	0.2767	2.7575	0.0684	3.8848		
0.62	0.4273	2.0818	0.2551	2.8342	0.0257	4.0503		
0.61	0.4121	2.1227	0.2338	2.9146				
0.60	0.3972	2.1648	0.2126	3.0019				
0.59	0.3818	2.2039	0.1875	3.0800				
0.58	0.3652	2.2418	0.1602	3.1557				

0.57	0.3475	2.2842	0.1314	3.2460
0.56	0.3295	2.3273	0.1010	3.3379
0.55	0.3112	2.3698	0.0685	3.4275
0.54	0.2926	2.4133	0.0329	3.5282
0.53	0.2735	2.4592		
0.52	0.2522	2.5067		
0.51	0.2309	2.5533		
0.50	0.2094	2.5986		
0.49	0.1860	2.6512		
0.48	0.1610	2.7037		
0.47	0.1344	2.7488		
0.46	0.1069	2.7920		
0.45	0.0774	2.8408		
0.44	0.0459	2.8904		
0.43	0.0106	2.9366		

Table S9.

$M = 13$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9396	1.0659	0.9192	1.0908	0.8995	1.1155	0.8548	1.1764
0.98	0.9100	1.0995	0.8819	1.1353	0.8553	1.171	0.7957	1.2607
0.97	0.8881	1.1261	0.8537	1.1722	0.8215	1.2186	0.7496	1.3369
0.96	0.8698	1.1499	0.8302	1.2053	0.7932	1.2621	0.7103	1.4100
0.95	0.8536	1.1720	0.8091	1.2367	0.7678	1.3036	0.6754	1.4818
0.94	0.8382	1.1932	0.7896	1.2672	0.7442	1.3446	0.6438	1.5559
0.93	0.8239	1.2136	0.7714	1.2972	0.7227	1.3844	0.6153	1.6281
0.92	0.8105	1.2336	0.7540	1.3263	0.7017	1.4245	0.5865	1.7055
0.91	0.7974	1.2537	0.7373	1.3555	0.6819	1.4651	0.5593	1.7875
0.90	0.7846	1.2738	0.7211	1.3854	0.6631	1.5072	0.5344	1.8726
0.89	0.7724	1.2940	0.7059	1.4159	0.6449	1.5506	0.5096	1.9625
0.88	0.7607	1.3150	0.6914	1.4471	0.6276	1.5947	0.4847	2.0599
0.87	0.7491	1.3356	0.6768	1.4791	0.6101	1.6407	0.4593	2.1622
0.86	0.7376	1.3563	0.6621	1.5117	0.5923	1.6874	0.4355	2.2657
0.85	0.7260	1.3771	0.6474	1.5433	0.5750	1.7343	0.4124	2.3788
0.84	0.7146	1.3984	0.6333	1.5768	0.5586	1.7852	0.3887	2.5097
0.83	0.7033	1.4199	0.6190	1.6114	0.5418	1.8382	0.3661	2.6520
0.82	0.6924	1.4418	0.6051	1.6469	0.5256	1.8926	0.3432	2.7939
0.81	0.6814	1.4648	0.5916	1.6832	0.5096	1.9468	0.3178	2.9441
0.80	0.6705	1.4880	0.5779	1.7201	0.4931	2.0057	0.2927	3.1316
0.79	0.6600	1.5113	0.5648	1.7589	0.4771	2.0683	0.2679	3.3234
0.78	0.6488	1.5348	0.5512	1.7984	0.4604	2.1312	0.2389	3.5057
0.77	0.6372	1.5607	0.5366	1.8431	0.4426	2.2025	0.2049	3.7432
0.76	0.6256	1.5866	0.5224	1.8886	0.4252	2.2781	0.1720	4.0039
0.75	0.6145	1.6129	0.5087	1.9328	0.4085	2.3551	0.1407	4.2809
0.74	0.6036	1.6404	0.4945	1.9803	0.3918	2.4333	0.0996	4.5717
0.73	0.5927	1.6681	0.4806	2.0292	0.3735	2.5139	0.0460	4.8529
0.72	0.5808	1.6975	0.4662	2.0803	0.3548	2.6006		
0.71	0.5688	1.7265	0.4506	2.1321	0.3358	2.6924		
0.70	0.5569	1.7576	0.4351	2.1884	0.3166	2.7968		
0.69	0.5452	1.7878	0.4206	2.2441	0.2977	2.8983		
0.68	0.5329	1.8164	0.4041	2.3004	0.2753	2.9894		
0.67	0.5201	1.8490	0.3874	2.3618	0.2531	3.0978		
0.66	0.5079	1.8854	0.3718	2.4255	0.2316	3.2237		
0.65	0.4948	1.9225	0.3550	2.4929	0.2077	3.3508		
0.64	0.4817	1.9572	0.3383	2.5632	0.1824	3.4817		
0.63	0.4684	1.9917	0.3200	2.6372	0.1541	3.6149		
0.62	0.4547	2.0304	0.3007	2.7079	0.1234	3.7554		
0.61	0.4413	2.0721	0.2821	2.7852	0.0914	3.9180		
0.60	0.4265	2.1103	0.2619	2.8612	0.0553	4.0591		
0.59	0.4109	2.1494	0.2393	2.9360	0.0097	4.2004		
0.58	0.3954	2.1944	0.2173	3.0281				

0.57	0.3795	2.2329	0.1944	3.1145
0.56	0.3632	2.2738	0.1692	3.2036
0.55	0.3465	2.3227	0.1427	3.3041
0.54	0.3283	2.3661	0.1129	3.3976
0.53	0.3110	2.4121	0.0821	3.4912
0.52	0.2934	2.4574	0.0490	3.5858
0.51	0.2740	2.5042	0.0109	3.6910
0.50	0.2541	2.5533		
0.49	0.2326	2.6064		
0.48	0.2107	2.6583		
0.47	0.1878	2.7051		
0.46	0.1637	2.7567		
0.45	0.1388	2.8097		
0.44	0.1113	2.8661		
0.43	0.0805	2.9166		
0.42	0.0494	2.9698		
0.41	0.0147	3.0246		

Table S10.

$M = 14$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9430	1.0622	0.9239	1.0854	0.9056	1.1082	0.8648	1.1635
0.98	0.9149	1.0936	0.8887	1.1267	0.8639	1.1592	0.8093	1.2403
0.97	0.8943	1.1186	0.8622	1.1608	0.8322	1.2028	0.7655	1.3073
0.96	0.8767	1.1410	0.8397	1.1918	0.8050	1.2431	0.7291	1.3732
0.95	0.8612	1.1618	0.8196	1.2216	0.7810	1.2817	0.6968	1.4392
0.94	0.8467	1.1819	0.8007	1.2501	0.7585	1.3199	0.6652	1.5049
0.93	0.8326	1.2015	0.7828	1.2780	0.7372	1.3574	0.6371	1.5721
0.92	0.8194	1.2209	0.7661	1.3061	0.7176	1.3947	0.6119	1.6392
0.91	0.8068	1.2399	0.7502	1.3340	0.6987	1.4325	0.5871	1.7109
0.90	0.7947	1.2585	0.7348	1.3613	0.6802	1.4709	0.5618	1.7842
0.89	0.7830	1.2775	0.7199	1.3889	0.6626	1.5099	0.5374	1.8626
0.88	0.7709	1.2963	0.7048	1.4172	0.6451	1.5491	0.5146	1.9469
0.87	0.7589	1.3156	0.6901	1.4463	0.6273	1.5905	0.4902	2.0295
0.86	0.7480	1.3361	0.6764	1.4773	0.6112	1.6347	0.4678	2.1172
0.85	0.7377	1.3559	0.6633	1.5074	0.5960	1.6778	0.4476	2.2167
0.84	0.7266	1.3761	0.6494	1.5385	0.5797	1.7237	0.4247	2.3254
0.83	0.7150	1.3969	0.6350	1.5713	0.5630	1.7719	0.4014	2.4338
0.82	0.7043	1.4168	0.6221	1.6032	0.5475	1.8188	0.3805	2.5558
0.81	0.6937	1.4389	0.6090	1.6375	0.5318	1.8697	0.3601	2.6900
0.80	0.6831	1.4628	0.5957	1.6748	0.5160	1.9282	0.3378	2.8499
0.79	0.6729	1.4848	0.5832	1.7122	0.5010	1.9853	0.3130	3.0141
0.78	0.6623	1.5081	0.5700	1.7508	0.4848	2.0435	0.2883	3.1844
0.77	0.6514	1.5323	0.5564	1.7893	0.4690	2.1050	0.2640	3.3747
0.76	0.6399	1.5565	0.5427	1.8285	0.4531	2.1684	0.2372	3.5588
0.75	0.6291	1.5821	0.5290	1.8709	0.4365	2.2385	0.2098	3.7852
0.74	0.6186	1.6072	0.5158	1.9150	0.4213	2.3127	0.1853	4.0476
0.73	0.6078	1.6334	0.5026	1.9621	0.4048	2.3885	0.1561	4.2694
0.72	0.5963	1.6612	0.4886	2.0119	0.3872	2.4684	0.1137	4.5622
0.71	0.5845	1.6885	0.4740	2.0580	0.3699	2.5472	0.0688	4.8772
0.70	0.5736	1.7166	0.4606	2.1072	0.3537	2.6299	0.0254	5.1644
0.69	0.5626	1.7478	0.4465	2.1632	0.3364	2.7242		
0.68	0.5509	1.7805	0.4318	2.2192	0.3173	2.8255		
0.67	0.5389	1.8120	0.4169	2.2751	0.2986	2.9305		
0.66	0.5261	1.8429	0.4009	2.3347	0.2780	3.0325		
0.65	0.5139	1.8787	0.3850	2.4016	0.2559	3.1510		
0.64	0.5022	1.9142	0.3686	2.4670	0.2331	3.2781		
0.63	0.4896	1.9491	0.3527	2.5323	0.2109	3.3988		
0.62	0.4761	1.9864	0.3358	2.6033	0.1870	3.5355		
0.61	0.4627	2.0242	0.3171	2.6756	0.1589	3.6733		
0.60	0.4487	2.0634	0.2985	2.7519	0.1301	3.8093		
0.59	0.4344	2.1032	0.2801	2.8328	0.1007	3.9619		
0.58	0.4199	2.1442	0.2602	2.9169	0.0667	4.1261		

0.57	0.4047	2.1879	0.2389	3.0048	0.0268	4.3085
0.56	0.3896	2.2329	0.2179	3.0919		
0.55	0.3747	2.2784	0.1956	3.1836		
0.54	0.3595	2.3269	0.1730	3.2804		
0.53	0.3430	2.3718	0.1465	3.3766		
0.52	0.3255	2.4152	0.1179	3.4785		
0.51	0.3066	2.4631	0.0870	3.5791		
0.50	0.2868	2.5161	0.0520	3.6850		
0.49	0.2690	2.5704	0.0180	3.8020		
0.48	0.2498	2.6211				
0.47	0.2275	2.6716				
0.46	0.2055	2.7227				
0.45	0.1829	2.7795				
0.44	0.1580	2.8323				
0.43	0.1317	2.8818				
0.42	0.1034	2.9437				
0.41	0.0730	3.0087				
0.40	0.0414	3.0626				
0.39	0.0067	3.1122				

Table S11.

$M = 15$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9460	1.0589	0.9280	1.0806	0.9110	1.1016	0.8730	1.1518
0.98	0.9191	1.0885	0.8944	1.1194	0.8714	1.1497	0.8210	1.2224
0.97	0.8994	1.1123	0.8690	1.1517	0.8410	1.1908	0.7797	1.2863
0.96	0.8826	1.1336	0.8473	1.1811	0.8147	1.2286	0.7442	1.3466
0.95	0.8671	1.1532	0.8275	1.2088	0.7911	1.2650	0.7127	1.4060
0.94	0.8532	1.1724	0.8097	1.2359	0.7697	1.3006	0.6835	1.4657
0.93	0.8400	1.1910	0.7929	1.2624	0.7496	1.3352	0.6564	1.5247
0.92	0.8271	1.2094	0.7766	1.2887	0.7304	1.3694	0.6313	1.5856
0.91	0.8149	1.2275	0.7612	1.3147	0.7120	1.4045	0.6064	1.6509
0.90	0.8029	1.2453	0.7459	1.3407	0.6940	1.4403	0.5831	1.7171
0.89	0.7912	1.2638	0.7311	1.3673	0.6768	1.4772	0.5604	1.7858
0.88	0.7799	1.2823	0.7170	1.3944	0.6603	1.5147	0.5369	1.8586
0.87	0.7689	1.3008	0.7032	1.4223	0.6441	1.5533	0.5154	1.9348
0.86	0.7581	1.3198	0.6897	1.4504	0.6279	1.5924	0.4949	2.0151
0.85	0.7471	1.3386	0.6765	1.4790	0.6124	1.6333	0.4739	2.0985
0.84	0.7362	1.3584	0.6631	1.5096	0.5966	1.6772	0.4535	2.1979
0.83	0.7257	1.3779	0.6498	1.5396	0.5805	1.7197	0.4333	2.2952
0.82	0.7149	1.3974	0.6364	1.5700	0.5656	1.7633	0.4124	2.3916
0.81	0.7043	1.4189	0.6236	1.6025	0.5508	1.8109	0.3926	2.5055
0.80	0.6943	1.4404	0.6114	1.6353	0.5364	1.8601	0.3712	2.6285
0.79	0.6839	1.4624	0.5986	1.6703	0.5216	1.9136	0.3503	2.7722
0.78	0.6730	1.4841	0.5849	1.7057	0.5054	1.9707	0.3292	2.9227
0.77	0.6625	1.5057	0.5721	1.7417	0.4901	2.0258	0.3069	3.0781
0.76	0.6520	1.5295	0.5596	1.7795	0.4761	2.0837	0.2850	3.2506
0.75	0.6414	1.5540	0.5462	1.8192	0.4603	2.1479	0.2630	3.4353
0.74	0.6312	1.5781	0.5333	1.8610	0.4453	2.2136	0.2401	3.6350
0.73	0.6204	1.6033	0.5205	1.9023	0.4302	2.2803	0.2127	3.8725
0.72	0.6090	1.6307	0.5066	1.9455	0.4135	2.3505	0.1831	4.1237
0.71	0.5985	1.6582	0.4935	1.9923	0.3971	2.4240	0.1532	4.3627
0.70	0.5880	1.6859	0.4805	2.0426	0.3806	2.5063	0.1202	4.6402
0.69	0.5762	1.7147	0.4661	2.0934	0.3638	2.5952	0.0803	4.9660
0.68	0.5646	1.7450	0.4519	2.1462	0.3466	2.6860	0.0335	5.3146
0.67	0.5533	1.7779	0.4375	2.2043	0.3284	2.7823		
0.66	0.5422	1.8096	0.4231	2.2597	0.3114	2.8786		
0.65	0.5306	1.8421	0.4085	2.3170	0.2933	2.9848		
0.64	0.5186	1.8757	0.3942	2.3807	0.2736	3.0986		
0.63	0.5061	1.9121	0.3793	2.4502	0.2538	3.2193		
0.62	0.4934	1.9498	0.3626	2.5181	0.2324	3.3449		
0.61	0.4814	1.9851	0.3469	2.5840	0.2099	3.4719		
0.60	0.4686	2.0236	0.3309	2.6596	0.1863	3.6069		
0.59	0.4554	2.0638	0.3139	2.7358	0.1616	3.7423		
0.58	0.4418	2.1043	0.2957	2.8148	0.1338	3.9024		

0.57	0.4269	2.1469	0.2761	2.8982	0.1033	4.0667
0.56	0.4118	2.1901	0.2557	2.9843	0.0679	4.2239
0.55	0.3975	2.2356	0.2351	3.0771	0.0282	4.4065
0.54	0.3827	2.2792	0.2138	3.1653		
0.53	0.3666	2.3265	0.1913	3.2591		
0.52	0.3502	2.3773	0.1672	3.3600		
0.51	0.3330	2.4257	0.1409	3.4627		
0.50	0.3161	2.4743	0.1150	3.5704		
0.49	0.2987	2.5246	0.0849	3.6786		
0.48	0.2796	2.5848	0.0494	3.8017		
0.47	0.2603	2.6389	0.0136	3.9110		
0.46	0.2399	2.6873				
0.45	0.2191	2.7448				
0.44	0.1966	2.8035				
0.43	0.1723	2.8586				
0.42	0.1484	2.9152				
0.41	0.1219	2.9762				
0.40	0.0920	3.0404				
0.39	0.0625	3.0983				
0.38	0.0305	3.1589				

Table S12.

$M = 16$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9483	1.0562	0.9312	1.0766	0.9152	1.0965	0.8798	1.1427
0.98	0.9226	1.0846	0.8989	1.1137	0.8773	1.1420	0.8297	1.2095
0.97	0.9037	1.1071	0.8745	1.1443	0.8479	1.1805	0.7899	1.2686
0.96	0.8875	1.1273	0.8538	1.1721	0.8230	1.2162	0.7566	1.3241
0.95	0.8726	1.1462	0.8349	1.1985	0.8004	1.2506	0.7271	1.3790
0.94	0.8589	1.1642	0.8174	1.2237	0.7797	1.2832	0.6995	1.4330
0.93	0.8461	1.1820	0.8011	1.2488	0.7604	1.3158	0.6730	1.4876
0.92	0.8335	1.1997	0.7852	1.2741	0.7414	1.3490	0.6480	1.5449
0.91	0.8217	1.2172	0.7704	1.2988	0.7238	1.3822	0.6249	1.6039
0.90	0.8102	1.2344	0.7558	1.3238	0.7065	1.4165	0.6022	1.6648
0.89	0.7986	1.2517	0.7411	1.3490	0.6891	1.4506	0.5795	1.7232
0.88	0.7874	1.2693	0.7274	1.3747	0.6729	1.4856	0.5579	1.7901
0.87	0.7768	1.2873	0.7139	1.4008	0.6572	1.5214	0.5380	1.8630
0.86	0.7659	1.3054	0.7004	1.4272	0.6419	1.5576	0.5181	1.9351
0.85	0.7555	1.3239	0.6878	1.4548	0.6270	1.5954	0.4971	2.0121
0.84	0.7450	1.3429	0.6746	1.4837	0.6116	1.6355	0.4767	2.0937
0.83	0.7344	1.3620	0.6615	1.5123	0.5968	1.6777	0.4583	2.1787
0.82	0.7243	1.3806	0.6492	1.5408	0.5817	1.7192	0.4382	2.2660
0.81	0.7135	1.3994	0.6359	1.5701	0.5660	1.7628	0.4183	2.3636
0.80	0.7031	1.4204	0.6228	1.6024	0.5513	1.8092	0.3990	2.4742
0.79	0.6933	1.4427	0.6109	1.6369	0.5373	1.8578	0.3797	2.6014
0.78	0.6830	1.4637	0.5987	1.6690	0.5227	1.9075	0.3601	2.7262
0.77	0.6727	1.4842	0.5859	1.7029	0.5082	1.9594	0.3400	2.8565
0.76	0.6624	1.5072	0.5732	1.7401	0.4940	2.0139	0.3189	2.9946
0.75	0.6523	1.5311	0.5612	1.7771	0.4793	2.0697	0.2966	3.1548
0.74	0.6418	1.5547	0.5484	1.8169	0.4642	2.1308	0.2761	3.3534
0.73	0.6306	1.5802	0.5349	1.8588	0.4487	2.1956	0.2546	3.5453
0.72	0.6199	1.6070	0.5219	1.9012	0.4341	2.2625	0.2311	3.7251
0.71	0.6099	1.6333	0.5096	1.9441	0.4201	2.3337	0.2060	3.9430
0.70	0.5996	1.6600	0.4969	1.9887	0.4046	2.4081	0.1795	4.1943
0.69	0.5883	1.6878	0.4832	2.0356	0.3878	2.4897	0.1513	4.5005
0.68	0.5772	1.7179	0.4698	2.0862	0.3718	2.5741	0.1198	4.8083
0.67	0.5664	1.7481	0.4563	2.1413	0.3555	2.6575	0.0822	5.0934
0.66	0.5550	1.7777	0.4422	2.1948	0.3386	2.7461	0.0366	5.4137
0.65	0.5433	1.8094	0.4281	2.2497	0.3212	2.8433		
0.64	0.5314	1.8425	0.4139	2.3084	0.3036	2.9449		
0.63	0.5193	1.8768	0.3996	2.3714	0.2859	3.0587		
0.62	0.5078	1.9107	0.3853	2.4358	0.2677	3.1807		
0.61	0.4957	1.9501	0.3696	2.5075	0.2462	3.3108		
0.60	0.4829	1.9874	0.3538	2.5758	0.2245	3.4328		
0.59	0.4699	2.0236	0.3375	2.6457	0.2030	3.5695		
0.58	0.4569	2.0690	0.3205	2.7281	0.1803	3.7240		

0.57	0.4435	2.1111	0.3034	2.8079	0.1546	3.8640
0.56	0.4300	2.1508	0.2856	2.8902	0.1268	4.0209
0.55	0.4160	2.1953	0.2668	2.9781	0.0976	4.1893
0.54	0.4021	2.2431	0.2474	3.0692	0.0648	4.3690
0.53	0.3871	2.2897	0.2272	3.1621	0.0264	4.5534
0.52	0.3710	2.3360	0.2048	3.2544		
0.51	0.3557	2.3875	0.1828	3.3597		
0.50	0.3402	2.4425	0.1599	3.4730		
0.49	0.3230	2.4924	0.1341	3.5755		
0.48	0.3051	2.5444	0.1059	3.6912		
0.47	0.2867	2.6059	0.0730	3.8212		
0.46	0.2677	2.6614	0.0404	3.9399		
0.45	0.2484	2.7153	0.0046	4.0516		
0.44	0.2280	2.7802				
0.43	0.2062	2.8381				
0.42	0.1831	2.8901				
0.41	0.1594	2.9524				
0.40	0.1327	3.0147				
0.39	0.1058	3.0773				
0.38	0.0778	3.1410				
0.37	0.0455	3.2008				
0.36	0.0097	3.2673				

Table S13.

$M = 17$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9505	1.0538	0.9345	1.0733	0.9193	1.0919	0.8857	1.1354
0.98	0.9257	1.0809	0.9034	1.1085	0.8828	1.1351	0.8379	1.1972
0.97	0.9074	1.1025	0.8799	1.1376	0.8545	1.1719	0.8001	1.2523
0.96	0.8916	1.1216	0.8595	1.1639	0.8301	1.2054	0.7676	1.3043
0.95	0.8773	1.1397	0.8412	1.1890	0.8084	1.2375	0.7384	1.3556
0.94	0.8641	1.1575	0.8244	1.2136	0.7883	1.2694	0.7115	1.4070
0.93	0.8514	1.1748	0.8082	1.2378	0.7692	1.3013	0.6859	1.4590
0.92	0.8393	1.1918	0.7929	1.2619	0.7514	1.3328	0.6627	1.5101
0.91	0.8277	1.2086	0.7781	1.2854	0.7341	1.3635	0.6398	1.5657
0.90	0.8165	1.2254	0.7640	1.3093	0.7172	1.3949	0.6174	1.6225
0.89	0.8054	1.2420	0.7503	1.3334	0.7010	1.4271	0.5970	1.6759
0.88	0.7943	1.2587	0.7364	1.3575	0.6849	1.4598	0.5766	1.7339
0.87	0.7835	1.2759	0.7228	1.3824	0.6689	1.4942	0.5556	1.7985
0.86	0.7732	1.2933	0.7100	1.4082	0.6539	1.5295	0.5351	1.8656
0.85	0.7630	1.3111	0.6974	1.4343	0.6392	1.5657	0.5161	1.9354
0.84	0.7526	1.3291	0.6846	1.4611	0.6243	1.6025	0.4969	2.0125
0.83	0.7421	1.3475	0.6718	1.4885	0.6096	1.6410	0.4786	2.0918
0.82	0.7318	1.3664	0.6594	1.5165	0.5952	1.6806	0.4610	2.1669
0.81	0.7213	1.3852	0.6469	1.5445	0.5806	1.7209	0.4410	2.2567
0.80	0.7112	1.4048	0.6344	1.5745	0.5658	1.7643	0.4211	2.3595
0.79	0.7014	1.4251	0.6222	1.6068	0.5519	1.8103	0.4033	2.4587
0.78	0.6910	1.4462	0.6097	1.6391	0.5378	1.8579	0.3845	2.5641
0.77	0.6811	1.4682	0.5976	1.6729	0.5235	1.9088	0.3663	2.6801
0.76	0.6713	1.4894	0.5854	1.7063	0.5093	1.9594	0.3488	2.8100
0.75	0.6607	1.5111	0.5730	1.7401	0.4957	2.0073	0.3312	2.9568
0.74	0.6504	1.5346	0.5606	1.7785	0.4816	2.0644	0.3112	3.1089
0.73	0.6407	1.5588	0.5486	1.8169	0.4673	2.1242	0.2890	3.2620
0.72	0.6305	1.5837	0.5367	1.8567	0.4537	2.1867	0.2688	3.4364
0.71	0.6198	1.6089	0.5240	1.8996	0.4387	2.2533	0.2469	3.6345
0.70	0.6093	1.6357	0.5112	1.9435	0.4233	2.3224	0.2232	3.8570
0.69	0.5984	1.6639	0.4980	1.9880	0.4083	2.3947	0.1993	4.0890
0.68	0.5878	1.6927	0.4852	2.0371	0.3931	2.4711	0.1738	4.3574
0.67	0.5773	1.7210	0.4721	2.0877	0.3776	2.5565	0.1452	4.6467
0.66	0.5659	1.7512	0.4585	2.1390	0.3621	2.6450	0.1146	4.9859
0.65	0.5543	1.7823	0.4451	2.1933	0.3460	2.7377	0.0773	5.3436
0.64	0.5432	1.8136	0.4312	2.2470	0.3289	2.8329	0.0318	5.6537
0.63	0.5322	1.8463	0.4173	2.3026	0.3120	2.9273		
0.62	0.5198	1.8840	0.4031	2.3695	0.2943	3.0412		
0.61	0.5080	1.9224	0.3891	2.4396	0.2767	3.1568		
0.60	0.4965	1.9582	0.3746	2.5051	0.2589	3.2741		
0.59	0.4835	1.9954	0.3589	2.5726	0.2380	3.3993		
0.58	0.4705	2.0323	0.3424	2.6436	0.2154	3.5250		

0.57	0.4586	2.0738	0.3268	2.7219	0.1941	3.6808
0.56	0.4454	2.1198	0.3103	2.8077	0.1705	3.8447
0.55	0.4312	2.1642	0.2921	2.8974	0.1447	4.0037
0.54	0.4176	2.2086	0.2738	2.9841	0.1169	4.1726
0.53	0.4036	2.2558	0.2560	3.0723	0.0865	4.3509
0.52	0.3893	2.3007	0.2375	3.1625	0.0544	4.5306
0.51	0.3742	2.3501	0.2161	3.2634	0.0131	4.7260
0.50	0.3584	2.4007	0.1934	3.3618		
0.49	0.3423	2.4535	0.1706	3.4718		
0.48	0.3261	2.5115	0.1467	3.5981		
0.47	0.3086	2.5688	0.1202	3.7120		
0.46	0.2901	2.6263	0.0909	3.8348		
0.45	0.2714	2.6846	0.0594	3.9627		
0.44	0.2522	2.7472	0.0243	4.0848		
0.43	0.2321	2.8091				
0.42	0.2112	2.8733				
0.41	0.1895	2.9393				
0.40	0.1655	3.0026				
0.39	0.1408	3.0643				
0.38	0.1131	3.1277				
0.37	0.0831	3.1941				
0.36	0.0524	3.2666				
0.35	0.0177	3.3355				

Table S14.

$M = 18$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9523	1.0516	0.9369	1.0701	0.9224	1.0878	0.8908	1.1280
0.98	0.9286	1.0777	0.9072	1.1038	0.8874	1.1290	0.8445	1.1870
0.97	0.9108	1.0984	0.8843	1.1318	0.8601	1.1643	0.8078	1.2396
0.96	0.8955	1.1170	0.8648	1.1573	0.8369	1.1966	0.7773	1.2892
0.95	0.8817	1.1344	0.8470	1.1813	0.8157	1.2272	0.7497	1.3371
0.94	0.8687	1.1514	0.8306	1.2047	0.7962	1.2572	0.7238	1.3833
0.93	0.8565	1.1680	0.8152	1.2276	0.7777	1.2867	0.6992	1.4301
0.92	0.8444	1.1840	0.7999	1.2502	0.7598	1.3161	0.6754	1.4810
0.91	0.8329	1.2004	0.7856	1.2737	0.7430	1.3463	0.6534	1.5322
0.90	0.8219	1.2167	0.7715	1.2969	0.7264	1.3770	0.6326	1.5823
0.89	0.8111	1.2329	0.7579	1.3197	0.7103	1.4085	0.6111	1.6371
0.88	0.8008	1.2496	0.7449	1.3434	0.6952	1.4401	0.5909	1.6939
0.87	0.7903	1.2664	0.7319	1.3677	0.6800	1.4728	0.5715	1.7548
0.86	0.7796	1.2830	0.7188	1.3918	0.6646	1.5057	0.5516	1.8146
0.85	0.7691	1.3000	0.7061	1.4168	0.6502	1.5400	0.5338	1.8732
0.84	0.7586	1.3180	0.6934	1.4428	0.6355	1.5751	0.5157	1.9401
0.83	0.7484	1.3357	0.6807	1.4688	0.6210	1.6099	0.4972	2.0101
0.82	0.7387	1.3529	0.6685	1.4947	0.6068	1.6472	0.4789	2.0856
0.81	0.7290	1.3712	0.6565	1.5224	0.5931	1.6871	0.4616	2.1688
0.80	0.7188	1.3911	0.6443	1.5520	0.5791	1.7277	0.4436	2.2551
0.79	0.7085	1.4108	0.6320	1.5820	0.5644	1.7691	0.4245	2.3451
0.78	0.6986	1.4309	0.6199	1.6127	0.5503	1.8143	0.4065	2.4430
0.77	0.6885	1.4518	0.6075	1.6440	0.5364	1.8617	0.3877	2.5504
0.76	0.6781	1.4727	0.5957	1.6766	0.5230	1.9103	0.3703	2.6670
0.75	0.6682	1.4941	0.5836	1.7097	0.5093	1.9572	0.3529	2.7783
0.74	0.6585	1.5170	0.5716	1.7460	0.4952	2.0084	0.3334	2.9083
0.73	0.6486	1.5405	0.5594	1.7838	0.4811	2.0646	0.3140	3.0610
0.72	0.6384	1.5647	0.5468	1.8218	0.4671	2.1238	0.2953	3.2179
0.71	0.6283	1.5901	0.5350	1.8623	0.4532	2.1889	0.2746	3.3887
0.70	0.6178	1.6166	0.5230	1.9043	0.4394	2.2548	0.2554	3.5603
0.69	0.6071	1.6431	0.5105	1.9475	0.4251	2.3207	0.2357	3.7749
0.68	0.5964	1.6696	0.4972	1.9926	0.4099	2.3923	0.2121	4.0185
0.67	0.5857	1.6975	0.4848	2.0420	0.3952	2.4716	0.1869	4.2611
0.66	0.5754	1.7275	0.4731	2.0914	0.3817	2.5543	0.1633	4.5523
0.65	0.5651	1.7581	0.4601	2.1402	0.3667	2.6362	0.1351	4.8445
0.64	0.5544	1.7908	0.4466	2.1983	0.3501	2.7256	0.1008	5.1724
0.63	0.5431	1.8249	0.4333	2.2574	0.3334	2.8220	0.0634	5.5416
0.62	0.5311	1.8570	0.4197	2.3137	0.3166	2.9215	0.0207	5.9269
0.61	0.5192	1.8903	0.4051	2.3737	0.2992	3.0275		
0.60	0.5080	1.9271	0.3906	2.4376	0.2819	3.1390		
0.59	0.4963	1.9647	0.3766	2.5088	0.2647	3.2641		
0.58	0.4838	2.0019	0.3617	2.5812	0.2459	3.4011		

0.57	0.4710	2.0427	0.3460	2.6539	0.2261	3.5429
0.56	0.4582	2.0855	0.3311	2.7312	0.2058	3.6751
0.55	0.4454	2.1287	0.3148	2.8132	0.1824	3.8179
0.54	0.4318	2.1772	0.2972	2.9064	0.1572	4.0074
0.53	0.4182	2.2272	0.2798	2.9999	0.1318	4.1826
0.52	0.4045	2.2726	0.2621	3.0894	0.1052	4.3522
0.51	0.3897	2.3185	0.2427	3.1846	0.0745	4.5445
0.50	0.3747	2.3725	0.2214	3.2926	0.0381	4.7422
0.49	0.3596	2.4274	0.2009	3.4016		
0.48	0.3427	2.4786	0.1786	3.4968		
0.47	0.3260	2.5323	0.1544	3.6110		
0.46	0.3104	2.5922	0.1305	3.7421		
0.45	0.2929	2.6524	0.1036	3.8688		
0.44	0.2743	2.7086	0.0732	3.9897		
0.43	0.2555	2.7690	0.0400	4.1104		
0.42	0.2347	2.8358	0.0024	4.2620		
0.41	0.2134	2.9062				
0.40	0.1917	2.9754				
0.39	0.1678	3.0425				
0.38	0.1426	3.1138				
0.37	0.1163	3.1832				
0.36	0.0884	3.2486				
0.35	0.0581	3.3219				
0.34	0.0255	3.4018				

Table S15.

$M = 19$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9541	1.0496	0.9392	1.0674	0.9253	1.0843	0.8950	1.1226
0.98	0.9310	1.0747	0.9103	1.0997	0.8915	1.1235	0.8508	1.1781
0.97	0.9137	1.0948	0.8883	1.1264	0.8652	1.1569	0.8156	1.2276
0.96	0.8988	1.1128	0.8692	1.1510	0.8424	1.1879	0.7854	1.2739
0.95	0.8852	1.1299	0.8518	1.1745	0.8217	1.2176	0.7582	1.3195
0.94	0.8726	1.1461	0.8357	1.1968	0.8025	1.2464	0.7329	1.3651
0.93	0.8606	1.1620	0.8205	1.2188	0.7846	1.2751	0.7093	1.4112
0.92	0.8493	1.1779	0.8062	1.2411	0.7678	1.3037	0.6871	1.4577
0.91	0.8379	1.1940	0.7920	1.2634	0.7513	1.3325	0.6654	1.5053
0.90	0.8265	1.2096	0.7779	1.2857	0.7347	1.3616	0.6441	1.5530
0.89	0.8159	1.2255	0.7645	1.3081	0.7186	1.3912	0.6236	1.6028
0.88	0.8056	1.2417	0.7516	1.3310	0.7033	1.4217	0.6043	1.6552
0.87	0.7952	1.2576	0.7385	1.3537	0.6884	1.4520	0.5852	1.7096
0.86	0.7848	1.2742	0.7257	1.3774	0.6737	1.4836	0.5665	1.7665
0.85	0.7748	1.2911	0.7135	1.4020	0.6597	1.5170	0.5484	1.8260
0.84	0.7648	1.3082	0.7014	1.4264	0.6453	1.5501	0.5295	1.8882
0.83	0.7549	1.3248	0.6890	1.4511	0.6311	1.5843	0.5124	1.9516
0.82	0.7450	1.3420	0.6771	1.4767	0.6177	1.6194	0.4967	2.0185
0.81	0.7351	1.3608	0.6655	1.5046	0.6041	1.6576	0.4784	2.0968
0.80	0.7252	1.3790	0.6534	1.5319	0.5899	1.6961	0.4595	2.1754
0.79	0.7150	1.3978	0.6407	1.5595	0.5756	1.7354	0.4423	2.2537
0.78	0.7051	1.4180	0.6289	1.5901	0.5622	1.7801	0.4263	2.3466
0.77	0.6952	1.4379	0.6170	1.6202	0.5487	1.8229	0.4085	2.4364
0.76	0.6855	1.4578	0.6051	1.6501	0.5351	1.8653	0.3910	2.5367
0.75	0.6760	1.4790	0.5940	1.6840	0.5220	1.9139	0.3732	2.6531
0.74	0.6662	1.5022	0.5826	1.7194	0.5088	1.9656	0.3543	2.7753
0.73	0.6562	1.5248	0.5705	1.7538	0.4951	2.0158	0.3380	2.9006
0.72	0.6458	1.5473	0.5580	1.7890	0.4811	2.0670	0.3200	3.0279
0.71	0.6356	1.5727	0.5456	1.8288	0.4673	2.1287	0.2999	3.1972
0.70	0.6251	1.5980	0.5328	1.8693	0.4533	2.1908	0.2820	3.3637
0.69	0.6149	1.6233	0.5206	1.9099	0.4390	2.2521	0.2618	3.5289
0.68	0.6049	1.6511	0.5087	1.9553	0.4246	2.3245	0.2398	3.7411
0.67	0.5944	1.6785	0.4967	2.0013	0.4112	2.3997	0.2192	3.9623
0.66	0.5839	1.7063	0.4845	2.0464	0.3969	2.4689	0.1957	4.1847
0.65	0.5732	1.7355	0.4719	2.0945	0.3817	2.5449	0.1724	4.4237
0.64	0.5621	1.7652	0.4589	2.1447	0.3676	2.6284	0.1496	4.7033
0.63	0.5516	1.7969	0.4461	2.2018	0.3528	2.7205	0.1218	5.0459
0.62	0.5408	1.8313	0.4328	2.2615	0.3366	2.8194	0.0874	5.3965
0.61	0.5290	1.8643	0.4186	2.3146	0.3197	2.9131	0.0446	5.7773
0.60	0.5173	1.8982	0.4050	2.3747	0.3029	3.0173		
0.59	0.5052	1.9375	0.3909	2.4478	0.2865	3.1475		
0.58	0.4932	1.9775	0.3772	2.5177	0.2695	3.2723		

0.57	0.4814	2.0163	0.3632	2.5832	0.2511	3.3825
0.56	0.4692	2.0567	0.3479	2.6598	0.2318	3.5256
0.55	0.4566	2.1024	0.3324	2.7428	0.2123	3.6762
0.54	0.4443	2.1477	0.3165	2.8296	0.1903	3.8317
0.53	0.4311	2.1927	0.2993	2.9215	0.1669	4.0014
0.52	0.4166	2.2418	0.2817	3.0109	0.1417	4.1698
0.51	0.4029	2.2924	0.2647	3.1026	0.1158	4.3466
0.50	0.3892	2.3428	0.2470	3.2065	0.0866	4.5477
0.49	0.3740	2.3947	0.2268	3.3122	0.0526	4.7518
0.48	0.3581	2.4508	0.2055	3.4196	0.0161	4.9690
0.47	0.3430	2.5076	0.1840	3.5329		
0.46	0.3273	2.5678	0.1614	3.6554		
0.45	0.3099	2.6291	0.1366	3.7808		
0.44	0.2928	2.6862	0.1113	3.8989		
0.43	0.2750	2.7488	0.0811	4.0344		
0.42	0.2548	2.8141	0.0456	4.1772		
0.41	0.2351	2.8831	0.0100	4.3297		
0.40	0.2152	2.9529				
0.39	0.1933	3.0186				
0.38	0.1693	3.0924				
0.37	0.1442	3.1685				
0.36	0.1178	3.2407				
0.35	0.0895	3.3129				
0.34	0.0594	3.3850				
0.33	0.0254	3.4522				

Table S16.

$M = 20$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9556	1.0480	0.9413	1.0651	0.9280	1.0812	0.8991	1.1174
0.98	0.9331	1.0722	0.9133	1.0961	0.8953	1.1189	0.8565	1.1707
0.97	0.9165	1.0915	0.8919	1.1221	0.8697	1.1513	0.8224	1.2181
0.96	0.9019	1.1090	0.8732	1.1459	0.8473	1.1810	0.7927	1.2626
0.95	0.8886	1.1255	0.8564	1.1684	0.8275	1.2096	0.7657	1.3064
0.94	0.8763	1.1414	0.8406	1.1901	0.8090	1.2376	0.7416	1.3495
0.93	0.8643	1.1572	0.8254	1.2118	0.7909	1.2653	0.7190	1.3928
0.92	0.8531	1.1722	0.8112	1.2329	0.7738	1.2923	0.6973	1.4371
0.91	0.8423	1.1873	0.7975	1.2538	0.7578	1.3194	0.6762	1.4813
0.90	0.8315	1.2033	0.7840	1.2759	0.7421	1.3481	0.6553	1.5268
0.89	0.8208	1.2186	0.7711	1.2977	0.7267	1.3769	0.6358	1.5745
0.88	0.8104	1.2340	0.7581	1.3196	0.7116	1.4059	0.6164	1.6248
0.87	0.8002	1.2499	0.7454	1.3419	0.6967	1.4355	0.5976	1.6766
0.86	0.7899	1.2661	0.7328	1.3648	0.6825	1.4661	0.5796	1.7294
0.85	0.7796	1.2824	0.7203	1.3881	0.6682	1.4973	0.5617	1.7833
0.84	0.7697	1.2980	0.7082	1.4107	0.6540	1.5276	0.5446	1.8364
0.83	0.7602	1.3149	0.6962	1.4354	0.6403	1.5606	0.5269	1.9000
0.82	0.7504	1.3328	0.6844	1.4610	0.6268	1.5956	0.5091	1.9671
0.81	0.7401	1.3507	0.6724	1.4870	0.6131	1.6307	0.4922	2.0299
0.80	0.7304	1.3683	0.6605	1.5142	0.5994	1.6674	0.4746	2.1034
0.79	0.7210	1.3870	0.6490	1.5426	0.5866	1.7073	0.4583	2.1868
0.78	0.7109	1.4064	0.6370	1.5715	0.5730	1.7493	0.4418	2.2757
0.77	0.7011	1.4258	0.6252	1.6000	0.5591	1.7902	0.4245	2.3635
0.76	0.6914	1.4457	0.6136	1.6292	0.5459	1.8308	0.4078	2.4459
0.75	0.6816	1.4667	0.6019	1.6602	0.5332	1.8750	0.3905	2.5411
0.74	0.6716	1.4882	0.5899	1.6942	0.5195	1.9229	0.3733	2.6508
0.73	0.6620	1.5101	0.5783	1.7286	0.5056	1.9731	0.3572	2.7669
0.72	0.6521	1.5328	0.5665	1.7630	0.4924	2.0250	0.3394	2.9010
0.71	0.6416	1.5564	0.5545	1.8004	0.4787	2.0817	0.3201	3.0527
0.70	0.6321	1.5822	0.5432	1.8406	0.4658	2.1410	0.3042	3.2025
0.69	0.6220	1.6071	0.5310	1.8797	0.4529	2.1998	0.2882	3.3573
0.68	0.6116	1.6323	0.5189	1.9199	0.4386	2.2631	0.2674	3.5379
0.67	0.6014	1.6595	0.5070	1.9639	0.4242	2.3325	0.2458	3.7315
0.66	0.5906	1.6865	0.4944	2.0091	0.4101	2.4016	0.2256	3.9113
0.65	0.5806	1.7158	0.4824	2.0560	0.3962	2.4744	0.2050	4.1548
0.64	0.5705	1.7462	0.4709	2.1079	0.3831	2.5556	0.1818	4.4335
0.63	0.5594	1.7769	0.4583	2.1625	0.3690	2.6444	0.1602	4.7080
0.62	0.5479	1.8110	0.4443	2.2180	0.3527	2.7398	0.1331	5.0429
0.61	0.5367	1.8454	0.4308	2.2751	0.3371	2.8331	0.1013	5.3925
0.60	0.5255	1.8793	0.4177	2.3332	0.3211	2.9296	0.0643	5.7428
0.59	0.5141	1.9155	0.4042	2.3949	0.3047	3.0388	0.0230	6.1379
0.58	0.5024	1.9533	0.3904	2.4602	0.2886	3.1529		

0.57	0.4904	1.9932	0.3756	2.5340	0.2709	3.2789
0.56	0.4789	2.0342	0.3615	2.6087	0.2532	3.4049
0.55	0.4671	2.0768	0.3480	2.6837	0.2354	3.5411
0.54	0.4543	2.1221	0.3332	2.7660	0.2166	3.6955
0.53	0.4414	2.1659	0.3162	2.8490	0.1949	3.8461
0.52	0.4288	2.2154	0.2999	2.9482	0.1728	4.0301
0.51	0.4156	2.2649	0.2838	3.0443	0.1498	4.2132
0.50	0.4006	2.3152	0.2656	3.1383	0.1239	4.3880
0.49	0.3853	2.3695	0.2463	3.2476	0.0940	4.5860
0.48	0.3708	2.4230	0.2273	3.3525	0.0619	4.7868
0.47	0.3562	2.4772	0.2081	3.4607	0.0281	5.0036
0.46	0.3405	2.5355	0.1861	3.5757		
0.45	0.3239	2.5970	0.1627	3.6993		
0.44	0.3079	2.6596	0.1394	3.8260		
0.43	0.2907	2.7242	0.1136	3.9539		
0.42	0.2715	2.7827	0.0846	4.0865		
0.41	0.2531	2.8547	0.0532	4.2406		
0.40	0.2340	2.9293	0.0183	4.3869		
0.39	0.2131	3.0010				
0.38	0.1910	3.0784				
0.37	0.1677	3.1517				
0.36	0.1438	3.2226				
0.35	0.1165	3.2989				
0.34	0.0888	3.3735				
0.33	0.0590	3.4571				
0.32	0.0245	3.5436				

Table S17.

$M = 25$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9613	1.0417	0.9491	1.0561	0.9378	1.0697	0.9138	1.0998
0.98	0.9415	1.0625	0.9244	1.0828	0.9090	1.1018	0.8769	1.1440
0.97	0.9265	1.0797	0.9052	1.1054	0.8862	1.1297	0.8467	1.1835
0.96	0.9135	1.0952	0.8885	1.1262	0.8664	1.1554	0.8206	1.2206
0.95	0.9015	1.1097	0.8734	1.1458	0.8484	1.1800	0.7971	1.2566
0.94	0.8902	1.1241	0.8591	1.1654	0.8315	1.2044	0.7750	1.2928
0.93	0.8793	1.1379	0.8453	1.1840	0.8152	1.2279	0.7536	1.3276
0.92	0.8687	1.1514	0.8319	1.2024	0.7994	1.2515	0.7338	1.3629
0.91	0.8583	1.1651	0.8190	1.2211	0.7845	1.2753	0.7146	1.3996
0.90	0.8481	1.1792	0.8063	1.2402	0.7697	1.2998	0.6956	1.4372
0.89	0.8381	1.1935	0.7940	1.2600	0.7556	1.3249	0.6774	1.4779
0.88	0.8283	1.2075	0.7820	1.2794	0.7414	1.3493	0.6596	1.5174
0.87	0.8184	1.2218	0.7699	1.2990	0.7273	1.3739	0.6429	1.5563
0.86	0.8091	1.2361	0.7584	1.3191	0.7145	1.4002	0.6268	1.5970
0.85	0.7996	1.2510	0.7469	1.3395	0.7015	1.4272	0.6104	1.6391
0.84	0.7898	1.2665	0.7351	1.3607	0.6879	1.4542	0.5941	1.6853
0.83	0.7805	1.2821	0.7237	1.3828	0.6748	1.4824	0.5778	1.7337
0.82	0.7712	1.2975	0.7124	1.4049	0.6619	1.5118	0.5610	1.7830
0.81	0.7618	1.3132	0.7010	1.4268	0.6490	1.5409	0.5456	1.8330
0.80	0.7525	1.3297	0.6900	1.4502	0.6369	1.5718	0.5315	1.8870
0.79	0.7425	1.3463	0.6785	1.4745	0.6240	1.6044	0.5151	1.9444
0.78	0.7333	1.3636	0.6674	1.4987	0.6113	1.6371	0.4987	2.0061
0.77	0.7243	1.3816	0.6569	1.5244	0.5992	1.6716	0.4845	2.0667
0.76	0.7145	1.4006	0.6452	1.5515	0.5856	1.7079	0.4686	2.1311
0.75	0.7048	1.4195	0.6334	1.5782	0.5725	1.7442	0.4517	2.2031
0.74	0.6953	1.4376	0.6224	1.6058	0.5606	1.7827	0.4373	2.2796
0.73	0.6862	1.4575	0.6118	1.6353	0.5489	1.8239	0.4239	2.3621
0.72	0.6764	1.4782	0.6005	1.6650	0.5364	1.8650	0.4098	2.4441
0.71	0.6664	1.5000	0.5889	1.6975	0.5237	1.9102	0.3945	2.5414
0.70	0.6567	1.5229	0.5776	1.7307	0.5109	1.9578	0.3786	2.6424
0.69	0.6470	1.5457	0.5665	1.7648	0.4984	2.0069	0.3639	2.7455
0.68	0.6375	1.5679	0.5552	1.7994	0.4857	2.0554	0.3482	2.8577
0.67	0.6278	1.5924	0.5439	1.8361	0.4728	2.1078	0.3316	2.9810
0.66	0.6173	1.6181	0.5323	1.8753	0.4601	2.1662	0.3142	3.1157
0.65	0.6071	1.6447	0.5204	1.9167	0.4472	2.2261	0.2981	3.2599
0.64	0.5972	1.6726	0.5090	1.9591	0.4344	2.2895	0.2832	3.4214
0.63	0.5868	1.6993	0.4971	2.0013	0.4211	2.3552	0.2661	3.5961
0.62	0.5765	1.7293	0.4855	2.0517	0.4082	2.4298	0.2488	3.8078
0.61	0.5662	1.7610	0.4737	2.1020	0.3946	2.5043	0.2300	4.0332
0.60	0.5554	1.7931	0.4613	2.1525	0.3813	2.5848	0.2121	4.2671
0.59	0.5450	1.8269	0.4499	2.2067	0.3686	2.6757	0.1939	4.5224
0.58	0.5348	1.8619	0.4381	2.2633	0.3550	2.7653	0.1737	4.7911

0.57	0.5238	1.8992	0.4255	2.3246	0.3409	2.8598	0.1515	5.0966
0.56	0.5127	1.9363	0.4126	2.3885	0.3263	2.9663	0.1255	5.4537
0.55	0.5017	1.9750	0.3999	2.4528	0.3120	3.0697	0.0990	5.8206
0.54	0.4903	2.0155	0.3869	2.5221	0.2971	3.1794	0.0685	6.2126
0.53	0.4783	2.0568	0.3731	2.5956	0.2808	3.3083	0.0286	6.6982
0.52	0.4668	2.1012	0.3598	2.6711	0.2645	3.4439		
0.51	0.4550	2.1518	0.3457	2.7597	0.2475	3.5940		
0.50	0.4421	2.2011	0.3307	2.8518	0.2299	3.7495		
0.49	0.4290	2.2496	0.3154	2.9385	0.2109	3.9102		
0.48	0.4163	2.3019	0.3006	3.0384	0.1916	4.0944		
0.47	0.4039	2.3587	0.2857	3.1434	0.1720	4.2825		
0.46	0.3907	2.4174	0.2697	3.2510	0.1510	4.4869		
0.45	0.3770	2.4770	0.2521	3.3672	0.1270	4.7172		
0.44	0.3618	2.5423	0.2331	3.4825	0.0994	4.9287		
0.43	0.3462	2.6130	0.2139	3.6165	0.0694	5.1853		
0.42	0.3311	2.6774	0.1949	3.7592	0.0361	5.4697		
0.41	0.3149	2.7449	0.1740	3.8995				
0.40	0.2983	2.8226	0.1510	4.0434				
0.39	0.2817	2.8969	0.1271	4.1885				
0.38	0.2645	2.9758	0.1008	4.3582				
0.37	0.2451	3.0565	0.0710	4.5275				
0.36	0.2257	3.1373	0.0404	4.6996				
0.35	0.2063	3.2273	0.0047	4.8874				
0.34	0.1843	3.3158						
0.33	0.1612	3.4081						
0.32	0.1362	3.4997						
0.31	0.1102	3.5913						
0.30	0.0835	3.6920						
0.29	0.0533	3.7898						
0.28	0.0179	3.8879						

Table S18.

$M = 35$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9681	1.0343	0.9582	1.0461	0.9492	1.0569	0.9302	1.0801
0.98	0.9513	1.0516	0.9374	1.0679	0.9249	1.0829	0.8993	1.1150
0.97	0.9384	1.0659	0.9210	1.0867	0.9055	1.1057	0.8740	1.1469
0.96	0.9268	1.0791	0.9062	1.1043	0.8881	1.1270	0.8517	1.1770
0.95	0.9161	1.0917	0.8926	1.1208	0.8721	1.1476	0.8310	1.2056
0.94	0.9059	1.1040	0.8798	1.1369	0.8570	1.1675	0.8119	1.2332
0.93	0.8960	1.1162	0.8674	1.1532	0.8425	1.1874	0.7934	1.2613
0.92	0.8863	1.1286	0.8554	1.1694	0.8284	1.2075	0.7753	1.2899
0.91	0.8767	1.1408	0.8436	1.1859	0.8149	1.2280	0.7582	1.3197
0.90	0.8674	1.1531	0.8320	1.2025	0.8018	1.2485	0.7419	1.3500
0.89	0.8580	1.1654	0.8206	1.2188	0.7886	1.2685	0.7256	1.3793
0.88	0.8488	1.1781	0.8095	1.2356	0.7758	1.2893	0.7100	1.4097
0.87	0.8398	1.1911	0.7987	1.2529	0.7635	1.3111	0.6951	1.4417
0.86	0.8307	1.2042	0.7877	1.2703	0.7510	1.3328	0.6796	1.4740
0.85	0.8218	1.2169	0.7767	1.2874	0.7386	1.3543	0.6647	1.5058
0.84	0.8127	1.2305	0.7660	1.3057	0.7263	1.3772	0.6500	1.5416
0.83	0.8034	1.2445	0.7547	1.3246	0.7135	1.4008	0.6344	1.5764
0.82	0.7944	1.2584	0.7439	1.3429	0.7015	1.4240	0.6196	1.6091
0.81	0.7857	1.2728	0.7338	1.3627	0.6904	1.4490	0.6067	1.6487
0.80	0.7765	1.2877	0.7232	1.3832	0.6785	1.4751	0.5927	1.6896
0.79	0.7674	1.3029	0.7125	1.4039	0.6665	1.5012	0.5778	1.7292
0.78	0.7582	1.3188	0.7016	1.4250	0.6545	1.5282	0.5636	1.7743
0.77	0.7489	1.3344	0.6911	1.4464	0.6427	1.5551	0.5504	1.8198
0.76	0.7399	1.3503	0.6808	1.4685	0.6312	1.5822	0.5371	1.8640
0.75	0.7310	1.3679	0.6704	1.4921	0.6196	1.6126	0.5233	1.9128
0.74	0.7221	1.3854	0.6598	1.5164	0.6080	1.6442	0.5094	1.9638
0.73	0.7130	1.4029	0.6490	1.5410	0.5964	1.6764	0.4949	2.0162
0.72	0.7036	1.4221	0.6387	1.5671	0.5849	1.7121	0.4818	2.0736
0.71	0.6942	1.4414	0.6280	1.5932	0.5735	1.7458	0.4695	2.1358
0.70	0.6850	1.4609	0.6173	1.6205	0.5617	1.7813	0.4557	2.2021
0.69	0.6757	1.4810	0.6066	1.6493	0.5497	1.8213	0.4415	2.2686
0.68	0.6661	1.5011	0.5955	1.6789	0.5378	1.8604	0.4278	2.3381
0.67	0.6565	1.5232	0.5849	1.7099	0.5268	1.9003	0.4151	2.4112
0.66	0.6468	1.5460	0.5742	1.7413	0.5150	1.9430	0.4005	2.4918
0.65	0.6367	1.5687	0.5632	1.7751	0.5023	1.9882	0.3850	2.5782
0.64	0.6270	1.5928	0.5524	1.8093	0.4906	2.0349	0.3722	2.6685
0.63	0.6177	1.6184	0.5413	1.8458	0.4788	2.0844	0.3600	2.7689
0.62	0.6080	1.6453	0.5305	1.8852	0.4671	2.1375	0.3470	2.8795
0.61	0.5982	1.6730	0.5196	1.9263	0.4556	2.1962	0.3332	3.0021
0.60	0.5884	1.7005	0.5090	1.9674	0.4440	2.2553	0.3199	3.1325
0.59	0.5781	1.7288	0.4976	2.0094	0.4316	2.3159	0.3054	3.2627
0.58	0.5680	1.7599	0.4861	2.0560	0.4192	2.3832	0.2901	3.4165

0.57	0.5579	1.7933	0.4749	2.1045	0.4070	2.4532	0.2758	3.5900
0.56	0.5475	1.8264	0.4635	2.1540	0.3947	2.5261	0.2614	3.7738
0.55	0.5372	1.8607	0.4521	2.2086	0.3827	2.6054	0.2462	3.9683
0.54	0.5269	1.8990	0.4404	2.2686	0.3700	2.6937	0.2302	4.1763
0.53	0.5158	1.9380	0.4283	2.3267	0.3568	2.7869	0.2141	4.4087
0.52	0.5048	1.9767	0.4159	2.3900	0.3437	2.8843	0.1972	4.7137
0.51	0.4942	2.0174	0.4040	2.4580	0.3304	2.9846	0.1796	5.0374
0.50	0.4830	2.0604	0.3925	2.5270	0.3172	3.0964	0.1623	5.3556
0.49	0.4717	2.1076	0.3801	2.6067	0.3039	3.2198	0.1430	5.7332
0.48	0.4602	2.1569	0.3673	2.6896	0.2898	3.3494	0.1208	6.1703
0.47	0.4482	2.2090	0.3542	2.7728	0.2750	3.4873	0.0965	6.6191
0.46	0.4364	2.2668	0.3411	2.8628	0.2602	3.6354	0.0690	7.1639
0.45	0.4248	2.3230	0.3283	2.9591	0.2449	3.7992	0.0327	7.8126
0.44	0.4126	2.3797	0.3142	3.0624	0.2288	3.9843		
0.43	0.3997	2.4419	0.2997	3.1707	0.2120	4.1738		
0.42	0.3869	2.5106	0.2854	3.2921	0.1953	4.3778		
0.41	0.3739	2.5826	0.2705	3.4208	0.1780	4.5974		
0.40	0.3599	2.6540	0.2542	3.5490	0.1567	4.8327		
0.39	0.3463	2.7279	0.2380	3.6877	0.1352	5.0980		
0.38	0.3325	2.8067	0.2220	3.8371	0.1146	5.3839		
0.37	0.3174	2.8954	0.2045	4.0038	0.0904	5.6986		
0.36	0.3017	2.9861	0.1849	4.1815	0.0597	6.0231		
0.35	0.2864	3.0738	0.1647	4.3572	0.0246	6.3555		
0.34	0.2704	3.1670	0.1439	4.5443				
0.33	0.2525	3.2719	0.1201	4.7591				
0.32	0.2344	3.3862	0.0950	4.9946				
0.31	0.2154	3.4941	0.0682	5.2124				
0.30	0.1953	3.6027	0.0355	5.4378				
0.29	0.1747	3.7261						
0.28	0.1511	3.8506						
0.27	0.1262	3.9830						
0.26	0.1017	4.1228						
0.25	0.0734	4.2568						
0.24	0.0433	4.3980						
0.23	0.0078	4.5233						

Table S19.

$M = 50$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9736	1.0285	0.9655	1.0382	0.9583	1.0470	0.9430	1.0654
0.98	0.9592	1.0430	0.9476	1.0563	0.9375	1.0685	0.9170	1.0938
0.97	0.9479	1.0553	0.9333	1.0722	0.9205	1.0874	0.8951	1.1197
0.96	0.9377	1.0668	0.9203	1.0872	0.9052	1.1054	0.8753	1.1440
0.95	0.9279	1.0780	0.9081	1.1018	0.8909	1.1230	0.8574	1.1676
0.94	0.9185	1.0890	0.8964	1.1161	0.8774	1.1404	0.8405	1.1910
0.93	0.9092	1.0999	0.8849	1.1303	0.8641	1.1578	0.8239	1.2148
0.92	0.9002	1.1111	0.8739	1.1449	0.8515	1.1752	0.8083	1.2389
0.91	0.8915	1.1222	0.8632	1.1593	0.8393	1.1925	0.7934	1.2626
0.90	0.8824	1.1334	0.8522	1.1736	0.8270	1.2100	0.7782	1.2870
0.89	0.8735	1.1448	0.8415	1.1882	0.8148	1.2278	0.7631	1.3117
0.88	0.8648	1.1565	0.8310	1.2036	0.8029	1.2460	0.7484	1.3372
0.87	0.8561	1.1684	0.8208	1.2189	0.7911	1.2645	0.7346	1.3629
0.86	0.8474	1.1804	0.8103	1.2343	0.7793	1.2836	0.7204	1.3886
0.85	0.8386	1.1927	0.8000	1.2504	0.7678	1.3036	0.7064	1.4161
0.84	0.8300	1.2051	0.7900	1.2666	0.7566	1.3227	0.6931	1.4445
0.83	0.8211	1.2175	0.7796	1.2828	0.7451	1.3422	0.6797	1.4725
0.82	0.8124	1.2305	0.7693	1.2995	0.7337	1.3631	0.6669	1.5003
0.81	0.8040	1.2442	0.7594	1.3171	0.7227	1.3844	0.6538	1.5297
0.80	0.7951	1.2580	0.7492	1.3350	0.7115	1.4063	0.6406	1.5621
0.79	0.7862	1.2719	0.7388	1.3536	0.7001	1.4293	0.6279	1.5959
0.78	0.7774	1.2864	0.7287	1.3728	0.6890	1.4529	0.6145	1.6293
0.77	0.7683	1.3016	0.7184	1.3926	0.6777	1.4772	0.6007	1.6644
0.76	0.7597	1.3169	0.7083	1.4125	0.6666	1.5020	0.5880	1.7019
0.75	0.7510	1.3324	0.6984	1.4327	0.6559	1.5262	0.5757	1.7391
0.74	0.7416	1.3478	0.6878	1.4530	0.6447	1.5514	0.5624	1.7763
0.73	0.7327	1.3641	0.6778	1.4748	0.6332	1.5789	0.5494	1.8178
0.72	0.7240	1.3815	0.6678	1.4981	0.6222	1.6079	0.5377	1.8615
0.71	0.7147	1.3992	0.6570	1.5215	0.6107	1.6371	0.5254	1.9046
0.70	0.7053	1.4172	0.6469	1.5453	0.5996	1.6672	0.5124	1.9509
0.69	0.6965	1.4363	0.6371	1.5704	0.5890	1.6989	0.5006	1.9999
0.68	0.6874	1.4567	0.6265	1.5968	0.5778	1.7311	0.4879	2.0520
0.67	0.6784	1.4758	0.6164	1.6238	0.5669	1.7646	0.4755	2.1086
0.66	0.6691	1.4959	0.6061	1.6515	0.5556	1.8000	0.4630	2.1638
0.65	0.6593	1.5170	0.5952	1.6798	0.5439	1.8367	0.4499	2.2204
0.64	0.6496	1.5392	0.5848	1.7094	0.5327	1.8753	0.4372	2.2835
0.63	0.6401	1.5621	0.5744	1.7409	0.5216	1.9152	0.4244	2.3511
0.62	0.6309	1.5859	0.5640	1.7735	0.5104	1.9575	0.4123	2.4215
0.61	0.6211	1.6104	0.5534	1.8068	0.4994	2.0021	0.3999	2.5006
0.60	0.6111	1.6355	0.5426	1.8435	0.4883	2.0498	0.3874	2.5867
0.59	0.6017	1.6622	0.5322	1.8801	0.4769	2.0977	0.3749	2.6670
0.58	0.5922	1.6915	0.5217	1.9185	0.4655	2.1493	0.3627	2.7556

0.57	0.5819	1.7196	0.5107	1.9587	0.4539	2.2040	0.3497	2.8592
0.56	0.5715	1.7478	0.4996	2.0002	0.4423	2.2599	0.3365	2.9669
0.55	0.5615	1.7800	0.4888	2.0451	0.4311	2.3215	0.3245	3.0794
0.54	0.5512	1.8123	0.4775	2.0923	0.4193	2.3869	0.3109	3.2090
0.53	0.5410	1.8466	0.4662	2.1426	0.4071	2.4516	0.2972	3.3486
0.52	0.5310	1.8828	0.4554	2.1953	0.3956	2.5229	0.2850	3.4968
0.51	0.5206	1.9208	0.4444	2.2502	0.3841	2.6018	0.2722	3.6569
0.50	0.5096	1.9609	0.4331	2.3083	0.3717	2.6838	0.2581	3.8391
0.49	0.4990	2.0028	0.4218	2.3713	0.3598	2.7748	0.2447	4.0466
0.48	0.4885	2.0477	0.4103	2.4384	0.3481	2.8720	0.2308	4.2582
0.47	0.4777	2.0921	0.3989	2.5058	0.3360	2.9701	0.2172	4.5041
0.46	0.4667	2.1397	0.3867	2.5772	0.3232	3.0747	0.2025	4.7984
0.45	0.4556	2.1939	0.3745	2.6602	0.3103	3.2030	0.1865	5.1098
0.44	0.4447	2.2467	0.3631	2.7424	0.2980	3.3285	0.1715	5.4484
0.43	0.4333	2.3018	0.3510	2.8308	0.2849	3.4589	0.1540	5.8618
0.42	0.4216	2.3635	0.3385	2.9293	0.2714	3.6119	0.1359	6.3112
0.41	0.4099	2.4259	0.3263	3.0284	0.2581	3.7692	0.1180	6.8219
0.40	0.3979	2.4923	0.3137	3.1357	0.2445	3.9439	0.0965	7.4752
0.39	0.3854	2.5640	0.3002	3.2597	0.2299	4.1510	0.0717	8.1647
0.38	0.3731	2.6408	0.2869	3.3934	0.2147	4.3699	0.0437	8.9280
0.37	0.3607	2.7250	0.2734	3.5324	0.1993	4.6029	0.0052	9.8423
0.36	0.3482	2.8100	0.2595	3.6820	0.1841	4.8678		
0.35	0.3349	2.9011	0.2450	3.8427	0.1669	5.1534		
0.34	0.3201	2.9992	0.2289	4.0207	0.1474	5.4731		
0.33	0.3060	3.0999	0.2128	4.2080	0.1277	5.8174		
0.32	0.2923	3.2092	0.1966	4.4079	0.1061	6.1907		
0.31	0.2769	3.3279	0.1787	4.6300	0.0822	6.5997		
0.30	0.2606	3.4565	0.1593	4.8769	0.0534	7.0745		
0.29	0.2446	3.5826	0.1390	5.1215	0.0199	7.5645		
0.28	0.2281	3.7169	0.1175	5.3886				
0.27	0.2100	3.8656	0.0935	5.6960				
0.26	0.1911	4.0268	0.0670	6.0245				
0.25	0.1707	4.1865	0.0365	6.3583				
0.24	0.1486	4.3563						
0.23	0.1253	4.5348						
0.22	0.1000	4.7070						
0.21	0.0725	4.8977						
0.20	0.0426	5.0879						
0.19	0.0081	5.2857						

Table S20.

$M = 100$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9810	1.0208	0.9754	1.0277	0.9704	1.0340	0.9600	1.0467
0.98	0.9697	1.0317	0.9613	1.0412	0.9541	1.0498	0.9398	1.0670
0.97	0.9603	1.0416	0.9496	1.0539	0.9404	1.0647	0.9224	1.0863
0.96	0.9514	1.0513	0.9385	1.0662	0.9276	1.0792	0.9066	1.1051
0.95	0.9428	1.0609	0.9280	1.0782	0.9155	1.0933	0.8919	1.1234
0.94	0.9343	1.0706	0.9179	1.0903	0.9038	1.1073	0.8776	1.1414
0.93	0.9258	1.0803	0.9076	1.1023	0.8923	1.1214	0.8635	1.1597
0.92	0.9174	1.0901	0.8974	1.1145	0.8810	1.1357	0.8498	1.1780
0.91	0.9091	1.1001	0.8877	1.1269	0.8701	1.1502	0.8368	1.1963
0.90	0.9010	1.1103	0.8780	1.1394	0.8592	1.1649	0.8240	1.2148
0.89	0.8927	1.1207	0.8682	1.1525	0.8483	1.1798	0.8114	1.2341
0.88	0.8842	1.1312	0.8583	1.1656	0.8373	1.1949	0.7987	1.2533
0.87	0.8758	1.1419	0.8486	1.1788	0.8264	1.2104	0.7855	1.2724
0.86	0.8674	1.1530	0.8390	1.1924	0.8160	1.2262	0.7735	1.2936
0.85	0.8590	1.1644	0.8293	1.2063	0.8055	1.2425	0.7618	1.3151
0.84	0.8507	1.1759	0.8197	1.2204	0.7947	1.2587	0.7495	1.3365
0.83	0.8422	1.1876	0.8100	1.2349	0.7841	1.2752	0.7373	1.3579
0.82	0.8338	1.1995	0.8004	1.2499	0.7738	1.2929	0.7253	1.3796
0.81	0.8255	1.2115	0.7908	1.2648	0.7633	1.3106	0.7135	1.4023
0.80	0.8168	1.2240	0.7810	1.2800	0.7529	1.3287	0.7021	1.4258
0.79	0.8084	1.2372	0.7715	1.2965	0.7426	1.3477	0.6907	1.4499
0.78	0.7999	1.2507	0.7619	1.3131	0.7320	1.3670	0.6787	1.4754
0.77	0.7911	1.2638	0.7522	1.3293	0.7216	1.3862	0.6666	1.5013
0.76	0.7824	1.2776	0.7426	1.3464	0.7112	1.4057	0.6546	1.5265
0.75	0.7738	1.2923	0.7327	1.3646	0.7008	1.4269	0.6432	1.5540
0.74	0.7653	1.3071	0.7232	1.3831	0.6906	1.4488	0.6327	1.5833
0.73	0.7564	1.3222	0.7136	1.4019	0.6803	1.4710	0.6209	1.6138
0.72	0.7474	1.3376	0.7038	1.4211	0.6698	1.4938	0.6089	1.6444
0.71	0.7387	1.3538	0.6941	1.4412	0.6595	1.5176	0.5977	1.6753
0.70	0.7299	1.3704	0.6841	1.4621	0.6490	1.5421	0.5864	1.7085
0.69	0.7209	1.3873	0.6743	1.4835	0.6384	1.5669	0.5744	1.7424
0.68	0.7120	1.4049	0.6647	1.5054	0.6279	1.5929	0.5630	1.7772
0.67	0.7025	1.4233	0.6543	1.5284	0.6170	1.6206	0.5512	1.8152
0.66	0.6935	1.4419	0.6443	1.5521	0.6066	1.6485	0.5398	1.8535
0.65	0.6843	1.4609	0.6345	1.5759	0.5964	1.6768	0.5289	1.8925
0.64	0.6750	1.4805	0.6245	1.6010	0.5861	1.7068	0.5177	1.9326
0.63	0.6660	1.5011	0.6147	1.6275	0.5755	1.7382	0.5067	1.9737
0.62	0.6568	1.5225	0.6045	1.6542	0.5647	1.7712	0.4942	2.0204
0.61	0.6474	1.5446	0.5944	1.6820	0.5541	1.8053	0.4829	2.0714
0.60	0.6377	1.5676	0.5843	1.7109	0.5436	1.8398	0.4721	2.1214
0.59	0.6281	1.5914	0.5741	1.7411	0.5330	1.8762	0.4607	2.1724
0.58	0.6184	1.6164	0.5638	1.7734	0.5223	1.9160	0.4493	2.2297

0.57	0.6090	1.6424	0.5536	1.8075	0.5115	1.9577	0.4371	2.2896
0.56	0.5997	1.6694	0.5436	1.8419	0.5009	1.9984	0.4258	2.3486
0.55	0.5896	1.6969	0.5333	1.8771	0.4903	2.0418	0.4151	2.4124
0.54	0.5797	1.7253	0.5229	1.9147	0.4795	2.0884	0.4036	2.4838
0.53	0.5700	1.7556	0.5125	1.9530	0.4685	2.1360	0.3916	2.5597
0.52	0.5599	1.7873	0.5019	1.9935	0.4574	2.1862	0.3800	2.6375
0.51	0.5496	1.8191	0.4912	2.0366	0.4466	2.2393	0.3688	2.7192
0.50	0.5396	1.8529	0.4807	2.0808	0.4360	2.2954	0.3576	2.8038
0.49	0.5296	1.8891	0.4700	2.1293	0.4248	2.3555	0.3459	2.8967
0.48	0.5191	1.9266	0.4588	2.1802	0.4133	2.4188	0.3340	2.9952
0.47	0.5088	1.9657	0.4482	2.2324	0.4024	2.4867	0.3227	3.0986
0.46	0.4987	2.0080	0.4378	2.2883	0.3917	2.5582	0.3112	3.2137
0.45	0.4877	2.0516	0.4266	2.3463	0.3805	2.6320	0.2990	3.3438
0.44	0.4770	2.0974	0.4154	2.4079	0.3691	2.7118	0.2875	3.4866
0.43	0.4667	2.1456	0.4047	2.4738	0.3579	2.7979	0.2758	3.6409
0.42	0.4559	2.1947	0.3938	2.5437	0.3466	2.8907	0.2636	3.8089
0.41	0.4450	2.2484	0.3823	2.6190	0.3348	2.9898	0.2515	3.9914
0.40	0.4340	2.3070	0.3709	2.6993	0.3232	3.0928	0.2397	4.1906
0.39	0.4227	2.3672	0.3596	2.7831	0.3119	3.2088	0.2273	4.4108
0.38	0.4116	2.4297	0.3483	2.8721	0.3002	3.3364	0.2139	4.6657
0.37	0.4008	2.4978	0.3371	2.9685	0.2885	3.4677	0.2015	4.9453
0.36	0.3892	2.5703	0.3254	3.0744	0.2767	3.6136	0.1890	5.2667
0.35	0.3775	2.6481	0.3137	3.1872	0.2645	3.7711	0.1752	5.6324
0.34	0.3658	2.7318	0.3018	3.3112	0.2521	3.9526	0.1617	6.0537
0.33	0.3538	2.8205	0.2895	3.4446	0.2401	4.1522	0.1491	6.5439
0.32	0.3418	2.9150	0.2773	3.5914	0.2275	4.3713	0.1341	7.1191
0.31	0.3303	3.0202	0.2654	3.7562	0.2145	4.6173	0.1173	7.8378
0.30	0.3182	3.1336	0.2529	3.9329	0.2013	4.8882	0.1013	8.6637
0.29	0.3055	3.2549	0.2395	4.1265	0.1876	5.1933	0.0833	9.5783
0.28	0.2927	3.3873	0.2266	4.3400	0.1736	5.5399	0.0621	10.7672
0.27	0.2794	3.5272	0.2129	4.5775	0.1588	5.9379	0.0363	12.1823
0.26	0.2660	3.6858	0.1988	4.8471	0.1432	6.3908	0.0004	13.8918
0.25	0.2520	3.8661	0.1838	5.1592	0.1261	6.9315		
0.24	0.2374	4.0475	0.1681	5.4904	0.1081	7.5305		
0.23	0.2230	4.2456	0.1521	5.8514	0.0891	8.2012		
0.22	0.2076	4.4688	0.1343	6.2607	0.0663	8.9597		
0.21	0.1909	4.7116	0.1147	6.7214	0.0384	9.8219		
0.20	0.1730	4.9704	0.0934	7.2348	0.0038	10.8109		
0.19	0.1544	5.2480	0.0700	7.7965				
0.18	0.1348	5.5552	0.0424	8.4172				
0.17	0.1133	5.8915	0.0088	9.1282				
0.16	0.0903	6.2476						
0.15	0.0634	6.6057						
0.14	0.0325	6.9901						

Table S21.

$M = 500$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9890	1.0126	0.9863	1.0167	0.9839	1.0202	0.9791	1.0269
0.98	0.9806	1.0204	0.9761	1.0260	0.9725	1.0308	0.9655	1.0397
0.97	0.9727	1.0286	0.9667	1.0356	0.9619	1.0414	0.9532	1.0524
0.96	0.9647	1.0369	0.9575	1.0454	0.9517	1.0524	0.9413	1.0653
0.95	0.9568	1.0455	0.9483	1.0555	0.9417	1.0635	0.9298	1.0782
0.94	0.9488	1.0543	0.9392	1.0656	0.9317	1.0747	0.9186	1.0912
0.93	0.9408	1.0632	0.9300	1.0759	0.9218	1.0861	0.9073	1.1043
0.92	0.9328	1.0723	0.9209	1.0865	0.9119	1.0977	0.8962	1.1177
0.91	0.9247	1.0816	0.9118	1.0973	0.9020	1.1095	0.8854	1.1313
0.90	0.9165	1.0911	0.9026	1.1083	0.8922	1.1216	0.8745	1.1453
0.89	0.9084	1.1009	0.8935	1.1196	0.8825	1.1340	0.8637	1.1596
0.88	0.9003	1.1108	0.8845	1.1311	0.8728	1.1466	0.8530	1.1741
0.87	0.8921	1.1209	0.8753	1.1428	0.8630	1.1595	0.8423	1.1890
0.86	0.8839	1.1314	0.8662	1.1548	0.8533	1.1725	0.8316	1.2043
0.85	0.8756	1.1422	0.8571	1.1672	0.8436	1.1860	0.8210	1.2196
0.84	0.8674	1.1532	0.8479	1.1800	0.8338	1.2001	0.8104	1.2355
0.83	0.8591	1.1643	0.8388	1.1930	0.8242	1.2145	0.8001	1.2521
0.82	0.8507	1.1757	0.8295	1.2062	0.8144	1.2291	0.7896	1.2687
0.81	0.8422	1.1874	0.8202	1.2196	0.8045	1.2438	0.7788	1.2853
0.80	0.8339	1.1992	0.8109	1.2333	0.7947	1.2586	0.7684	1.3025
0.79	0.8253	1.2115	0.8017	1.2476	0.7851	1.2742	0.7582	1.3206
0.78	0.8168	1.2242	0.7924	1.2623	0.7753	1.2905	0.7476	1.3392
0.77	0.8082	1.2373	0.7830	1.2774	0.7655	1.3069	0.7369	1.3585
0.76	0.7997	1.2507	0.7737	1.2928	0.7557	1.3238	0.7266	1.3775
0.75	0.7912	1.2644	0.7645	1.3085	0.7461	1.3410	0.7164	1.3976
0.74	0.7823	1.2784	0.7550	1.3250	0.7363	1.3590	0.7061	1.4187
0.73	0.7734	1.2927	0.7455	1.3417	0.7264	1.3776	0.6956	1.4396
0.72	0.7647	1.3075	0.7361	1.3587	0.7166	1.3964	0.6850	1.4616
0.71	0.7559	1.3227	0.7267	1.3765	0.7068	1.4157	0.6746	1.4840
0.70	0.7471	1.3383	0.7172	1.3948	0.6968	1.4358	0.6643	1.5075
0.69	0.7384	1.3541	0.7077	1.4132	0.6870	1.4563	0.6538	1.5316
0.68	0.7294	1.3708	0.6981	1.4324	0.6770	1.4774	0.6432	1.5560
0.67	0.7202	1.3883	0.6884	1.4528	0.6669	1.4996	0.6328	1.5815
0.66	0.7112	1.4061	0.6787	1.4736	0.6570	1.5227	0.6226	1.6084
0.65	0.7021	1.4243	0.6692	1.4947	0.6473	1.5462	0.6122	1.6356
0.64	0.6931	1.4428	0.6596	1.5163	0.6374	1.5699	0.6017	1.6626
0.63	0.6839	1.4621	0.6499	1.5390	0.6273	1.5952	0.5913	1.6925
0.62	0.6746	1.4823	0.6403	1.5625	0.6173	1.6211	0.5813	1.7233
0.61	0.6653	1.5027	0.6306	1.5863	0.6072	1.6472	0.5710	1.7539
0.60	0.6561	1.5236	0.6207	1.6110	0.5973	1.6747	0.5603	1.7864
0.59	0.6469	1.5464	0.6111	1.6371	0.5874	1.7034	0.5502	1.8198
0.58	0.6374	1.5699	0.6012	1.6643	0.5774	1.7333	0.5397	1.8553

0.57	0.6276	1.5928	0.5912	1.6918	0.5672	1.7643	0.5292	1.8921
0.56	0.6180	1.6167	0.5811	1.7201	0.5569	1.7959	0.5189	1.9296
0.55	0.6086	1.6429	0.5713	1.7502	0.5467	1.8293	0.5084	1.9699
0.54	0.5988	1.6697	0.5614	1.7819	0.5365	1.8648	0.4980	2.0124
0.53	0.5891	1.6975	0.5514	1.8139	0.5264	1.9006	0.4876	2.0543
0.52	0.5797	1.7268	0.5415	1.8481	0.5164	1.9389	0.4769	2.1001
0.51	0.5699	1.7560	0.5314	1.8836	0.5063	1.9784	0.4663	2.1491
0.50	0.5597	1.7866	0.5212	1.9195	0.4960	2.0187	0.4559	2.1981
0.49	0.5496	1.8190	0.5111	1.9573	0.4856	2.0609	0.4453	2.2489
0.48	0.5399	1.8528	0.5011	1.9971	0.4754	2.1048	0.4348	2.3017
0.47	0.5298	1.8887	0.4906	2.0391	0.4648	2.1524	0.4241	2.3599
0.46	0.5195	1.9256	0.4804	2.0828	0.4545	2.2021	0.4138	2.4210
0.45	0.5096	1.9632	0.4703	2.1286	0.4443	2.2537	0.4035	2.4832
0.44	0.4994	2.0038	0.4600	2.1761	0.4338	2.3067	0.3930	2.5499
0.43	0.4889	2.0461	0.4495	2.2260	0.4234	2.3634	0.3826	2.6196
0.42	0.4785	2.0900	0.4392	2.2785	0.4132	2.4247	0.3719	2.6936
0.41	0.4682	2.1372	0.4289	2.3336	0.4028	2.4878	0.3613	2.7750
0.40	0.4577	2.1866	0.4183	2.3923	0.3921	2.5538	0.3506	2.8607
0.39	0.4471	2.2371	0.4076	2.4541	0.3815	2.6244	0.3400	2.9496
0.38	0.4365	2.2914	0.3973	2.5194	0.3710	2.6993	0.3291	3.0463
0.37	0.4255	2.3483	0.3864	2.5872	0.3602	2.7759	0.3181	3.1465
0.36	0.4148	2.4087	0.3759	2.6612	0.3498	2.8612	0.3076	3.2557
0.35	0.4041	2.4735	0.3653	2.7385	0.3391	2.9518	0.2972	3.3744
0.34	0.3933	2.5409	0.3546	2.8197	0.3285	3.0457	0.2867	3.5007
0.33	0.3827	2.6146	0.3440	2.9098	0.3179	3.1507	0.2762	3.6374
0.32	0.3719	2.6941	0.3332	3.0075	0.3074	3.2652	0.2655	3.7834
0.31	0.3608	2.7759	0.3225	3.1085	0.2965	3.3833	0.2541	3.9456
0.30	0.3495	2.8634	0.3114	3.2153	0.2854	3.5099	0.2431	4.1237
0.29	0.3382	2.9588	0.3004	3.3321	0.2744	3.6505	0.2323	4.3173
0.28	0.3271	3.0606	0.2894	3.4591	0.2637	3.8024	0.2213	4.5299
0.27	0.3158	3.1710	0.2784	3.5970	0.2527	3.9672	0.2102	4.7685
0.26	0.3045	3.2919	0.2672	3.7509	0.2415	4.1516	0.1995	5.0330
0.25	0.2930	3.4191	0.2562	3.9146	0.2306	4.3516	0.1887	5.3258
0.24	0.2812	3.5596	0.2446	4.0924	0.2192	4.5709	0.1771	5.6620
0.23	0.2695	3.7180	0.2332	4.2948	0.2077	4.8166	0.1658	6.0432
0.22	0.2576	3.8832	0.2218	4.5113	0.1965	5.0911	0.1545	6.4916
0.21	0.2456	4.0717	0.2102	4.7611	0.1850	5.4149	0.1432	7.0184
0.20	0.2336	4.2860	0.1986	5.0459	0.1736	5.7776	0.1317	7.6296
0.19	0.2216	4.5174	0.1869	5.3594	0.1620	6.1836	0.1198	8.3542
0.18	0.2093	4.7834	0.1749	5.7300	0.1502	6.6770	0.1080	9.2652
0.17	0.1970	5.0833	0.1631	6.1595	0.1386	7.2670	0.0960	10.4772
0.16	0.1846	5.4300	0.1510	6.6547	0.1264	7.9613	0.0833	12.0059
0.15	0.1718	5.8321	0.1382	7.2425	0.1135	8.8071	0.0696	14.0146
0.14	0.1584	6.2993	0.1252	7.9657	0.1004	9.8954	0.0551	16.9345
0.13	0.1449	6.8683	0.1119	8.8647	0.0868	11.3135	0.0376	21.4811
0.12	0.1310	7.5500	0.0977	9.9775	0.0717	13.1488	0.0129	28.2115
0.11	0.1162	8.3610	0.0826	11.3940	0.0550	15.5909		
0.10	0.1003	9.3506	0.0656	13.2192	0.0345	18.9295		
0.09	0.0825	10.5660	0.0452	15.5922	0.0040	23.5093		

0.08	0.0624	12.0139	0.0190	18.4816
0.07	0.0384	13.6896		
0.06	0.0067	15.5438		

Table S22.

$M = 1000$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9903	1.0113	0.9883	1.0148	0.9865	1.0178	0.9830	1.0231
0.98	0.9824	1.0187	0.9788	1.0235	0.9760	1.0275	0.9708	1.0346
0.97	0.9745	1.0266	0.9697	1.0326	0.9660	1.0375	0.9593	1.0463
0.96	0.9666	1.0349	0.9607	1.0421	0.9561	1.0477	0.9482	1.0580
0.95	0.9586	1.0434	0.9516	1.0518	0.9463	1.0583	0.9373	1.0700
0.94	0.9506	1.0522	0.9426	1.0618	0.9366	1.0692	0.9266	1.0821
0.93	0.9426	1.0611	0.9336	1.0719	0.9270	1.0801	0.9160	1.0943
0.92	0.9346	1.0702	0.9246	1.0823	0.9174	1.0914	0.9054	1.1069
0.91	0.9264	1.0796	0.9154	1.0930	0.9077	1.1029	0.8949	1.1197
0.90	0.9183	1.0891	0.9064	1.1038	0.8981	1.1145	0.8844	1.1327
0.89	0.9101	1.0988	0.8974	1.1149	0.8885	1.1266	0.8740	1.1463
0.88	0.9019	1.1088	0.8883	1.1263	0.8788	1.1389	0.8635	1.1602
0.87	0.8936	1.1191	0.8791	1.1380	0.8692	1.1515	0.8534	1.1742
0.86	0.8854	1.1294	0.8701	1.1498	0.8597	1.1643	0.8432	1.1885
0.85	0.8772	1.1401	0.8610	1.1620	0.8501	1.1776	0.8328	1.2032
0.84	0.8688	1.1511	0.8518	1.1745	0.8405	1.1910	0.8225	1.2182
0.83	0.8604	1.1622	0.8425	1.1872	0.8308	1.2046	0.8122	1.2336
0.82	0.8521	1.1736	0.8334	1.2003	0.8211	1.2188	0.8019	1.2492
0.81	0.8436	1.1853	0.8242	1.2137	0.8114	1.2334	0.7917	1.2651
0.80	0.8351	1.1974	0.8149	1.2275	0.8017	1.2483	0.7813	1.2818
0.79	0.8266	1.2096	0.8057	1.2416	0.7921	1.2634	0.7712	1.2988
0.78	0.8179	1.2223	0.7964	1.2562	0.7824	1.2790	0.7609	1.3165
0.77	0.8093	1.2354	0.7870	1.2711	0.7726	1.2952	0.7506	1.3348
0.76	0.8008	1.2488	0.7777	1.2862	0.7629	1.3117	0.7404	1.3530
0.75	0.7921	1.2625	0.7684	1.3020	0.7532	1.3287	0.7304	1.3716
0.74	0.7834	1.2764	0.7592	1.3179	0.7436	1.3459	0.7203	1.3907
0.73	0.7747	1.2904	0.7497	1.3340	0.7338	1.3634	0.7099	1.4107
0.72	0.7660	1.3052	0.7402	1.3510	0.7240	1.3819	0.6996	1.4316
0.71	0.7571	1.3206	0.7307	1.3687	0.7142	1.4010	0.6895	1.4528
0.70	0.7484	1.3363	0.7214	1.3867	0.7046	1.4205	0.6793	1.4746
0.69	0.7395	1.3524	0.7121	1.4053	0.6948	1.4404	0.6691	1.4973
0.68	0.7305	1.3690	0.7024	1.4243	0.6849	1.4610	0.6589	1.5203
0.67	0.7215	1.3860	0.6927	1.4439	0.6750	1.4824	0.6487	1.5443
0.66	0.7124	1.4035	0.6832	1.4641	0.6652	1.5043	0.6385	1.5687
0.65	0.7032	1.4216	0.6736	1.4850	0.6554	1.5269	0.6283	1.5934
0.64	0.6941	1.4404	0.6639	1.5065	0.6455	1.5502	0.6178	1.6200
0.63	0.6848	1.4599	0.6542	1.5289	0.6355	1.5743	0.6075	1.6477
0.62	0.6757	1.4796	0.6444	1.5520	0.6255	1.5996	0.5973	1.6761
0.61	0.6665	1.5002	0.6349	1.5756	0.6155	1.6253	0.5871	1.7057
0.60	0.6568	1.5216	0.6250	1.6002	0.6055	1.6520	0.5769	1.7359
0.59	0.6473	1.5442	0.6151	1.6258	0.5955	1.6800	0.5665	1.7673
0.58	0.6383	1.5673	0.6055	1.6518	0.5856	1.7085	0.5563	1.7999

0.57	0.6287	1.5911	0.5958	1.6788	0.5757	1.7375	0.5463	1.8331
0.56	0.6191	1.6153	0.5859	1.7072	0.5657	1.7682	0.5361	1.8679
0.55	0.6097	1.6398	0.5760	1.7363	0.5556	1.8005	0.5258	1.9047
0.54	0.6001	1.6667	0.5662	1.7669	0.5458	1.8340	0.5158	1.9430
0.53	0.5906	1.6944	0.5564	1.7989	0.5358	1.8690	0.5055	1.9823
0.52	0.5808	1.7221	0.5462	1.8314	0.5255	1.9043	0.4950	2.0232
0.51	0.5707	1.7518	0.5362	1.8658	0.5153	1.9421	0.4846	2.0668
0.50	0.5608	1.7836	0.5262	1.9019	0.5052	1.9813	0.4742	2.1127
0.49	0.5509	1.8160	0.5163	1.9388	0.4951	2.0210	0.4640	2.1589
0.48	0.5412	1.8494	0.5062	1.9772	0.4851	2.0632	0.4539	2.2075
0.47	0.5311	1.8840	0.4961	2.0176	0.4750	2.1080	0.4437	2.2594
0.46	0.5207	1.9201	0.4859	2.0593	0.4648	2.1547	0.4334	2.3131
0.45	0.5105	1.9583	0.4755	2.1037	0.4543	2.2039	0.4227	2.3707
0.44	0.5001	1.9985	0.4651	2.1504	0.4439	2.2548	0.4123	2.4305
0.43	0.4899	2.0404	0.4549	2.1986	0.4337	2.3074	0.4023	2.4934
0.42	0.4796	2.0849	0.4447	2.2496	0.4235	2.3638	0.3919	2.5599
0.41	0.4693	2.1311	0.4344	2.3027	0.4132	2.4231	0.3813	2.6283
0.40	0.4591	2.1796	0.4242	2.3598	0.4029	2.4865	0.3711	2.7035
0.39	0.4487	2.2313	0.4138	2.4199	0.3924	2.5535	0.3606	2.7825
0.38	0.4381	2.2846	0.4033	2.4816	0.3820	2.6223	0.3500	2.8645
0.37	0.4275	2.3407	0.3929	2.5470	0.3719	2.6950	0.3395	2.9526
0.36	0.4168	2.4003	0.3825	2.6167	0.3615	2.7728	0.3289	3.0477
0.35	0.4060	2.4622	0.3720	2.6900	0.3509	2.8553	0.3184	3.1494
0.34	0.3953	2.5290	0.3615	2.7687	0.3404	2.9424	0.3083	3.2547
0.33	0.3845	2.6010	0.3509	2.8527	0.3299	3.0361	0.2979	3.3684
0.32	0.3736	2.6776	0.3402	2.9425	0.3192	3.1379	0.2872	3.4919
0.31	0.3626	2.7597	0.3294	3.0382	0.3087	3.2452	0.2768	3.6259
0.30	0.3517	2.8460	0.3188	3.1392	0.2982	3.3598	0.2664	3.7680
0.29	0.3408	2.9388	0.3082	3.2502	0.2876	3.4844	0.2558	3.9262
0.28	0.3297	3.0370	0.2975	3.3681	0.2770	3.6197	0.2453	4.0992
0.27	0.3184	3.1412	0.2867	3.4941	0.2665	3.7666	0.2347	4.2854
0.26	0.3070	3.2572	0.2757	3.6343	0.2555	3.9272	0.2240	4.4917
0.25	0.2958	3.3826	0.2647	3.7832	0.2446	4.0977	0.2132	4.7127
0.24	0.2844	3.5177	0.2537	3.9462	0.2338	4.2857	0.2024	4.9591
0.23	0.2730	3.6646	0.2429	4.1271	0.2231	4.4987	0.1918	5.2397
0.22	0.2616	3.8263	0.2318	4.3242	0.2121	4.7302	0.1810	5.5546
0.21	0.2499	4.0066	0.2205	4.5437	0.2010	4.9893	0.1699	5.9029
0.20	0.2382	4.2028	0.2093	4.7865	0.1900	5.2788	0.1590	6.3068
0.19	0.2264	4.4205	0.1980	5.0600	0.1789	5.6077	0.1481	6.7893
0.18	0.2145	4.6640	0.1866	5.3680	0.1677	5.9847	0.1372	7.3508
0.17	0.2027	4.9431	0.1750	5.7241	0.1563	6.4194	0.1260	8.0006
0.16	0.1907	5.2598	0.1637	6.1362	0.1451	6.9304	0.1147	8.7925
0.15	0.1785	5.6162	0.1521	6.6079	0.1337	7.5302	0.1032	9.7734
0.14	0.1661	6.0325	0.1402	7.1685	0.1221	8.2485	0.0916	10.9917
0.13	0.1538	6.5251	0.1283	7.8374	0.1102	9.1348	0.0800	12.6374
0.12	0.1410	7.1088	0.1161	8.6560	0.0981	10.2673	0.0680	14.9408
0.11	0.1280	7.8335	0.1034	9.7095	0.0855	11.7529	0.0546	18.3540
0.10	0.1148	8.7319	0.0905	11.0835	0.0727	13.7853	0.0400	23.8246
0.09	0.1010	9.8711	0.0770	12.9187	0.0587	16.6965	0.0214	33.0722

0.08	0.0862	11.3519	0.0621	15.4215	0.0427	20.9450
0.07	0.0700	13.3079	0.0449	18.9818	0.0219	27.4053
0.06	0.0514	15.8642	0.0226	23.9860		
0.05	0.0280	19.0767				

Table S23.

$M = \infty$

$\hat{r}$	80% L	80% U	90% L	90% U	95% L	95% U	99% L	99% U
1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99	0.9920	1.0081	0.9910	1.0091	0.9905	1.0096	0.9901	1.0100
0.98	0.9840	1.0163	0.9820	1.0183	0.9810	1.0194	0.9802	1.0202
0.97	0.9759	1.0247	0.9730	1.0278	0.9715	1.0294	0.9703	1.0306
0.96	0.9679	1.0332	0.9639	1.0374	0.9620	1.0395	0.9604	1.0412
0.95	0.9598	1.0419	0.9549	1.0473	0.9524	1.0499	0.9505	1.0521
0.94	0.9517	1.0508	0.9458	1.0573	0.9429	1.0606	0.9406	1.0632
0.93	0.9436	1.0598	0.9368	1.0675	0.9334	1.0714	0.9307	1.0745
0.92	0.9354	1.0690	0.9277	1.0780	0.9238	1.0825	0.9208	1.0861
0.91	0.9273	1.0785	0.9186	1.0886	0.9143	1.0938	0.9109	1.0979
0.90	0.9191	1.0881	0.9095	1.0995	0.9047	1.1053	0.9009	1.1099
0.89	0.9108	1.0979	0.9004	1.1107	0.8952	1.1171	0.8910	1.1223
0.88	0.9026	1.1079	0.8912	1.1221	0.8856	1.1292	0.8811	1.1349
0.87	0.8943	1.1181	0.8821	1.1337	0.8760	1.1415	0.8712	1.1478
0.86	0.8861	1.1286	0.8729	1.1456	0.8664	1.1542	0.8613	1.1611
0.85	0.8777	1.1393	0.8637	1.1578	0.8568	1.1671	0.8514	1.1746
0.84	0.8694	1.1503	0.8545	1.1702	0.8472	1.1803	0.8414	1.1884
0.83	0.8610	1.1614	0.8453	1.1830	0.8376	1.1939	0.8315	1.2026
0.82	0.8526	1.1729	0.8361	1.1961	0.8280	1.2078	0.8216	1.2172
0.81	0.8441	1.1846	0.8268	1.2094	0.8184	1.2220	0.8117	1.2320
0.80	0.8357	1.1967	0.8176	1.2232	0.8087	1.2365	0.8017	1.2473
0.79	0.8271	1.2090	0.8083	1.2372	0.7991	1.2515	0.7918	1.2629
0.78	0.8186	1.2216	0.7990	1.2516	0.7894	1.2668	0.7819	1.2790
0.77	0.8100	1.2346	0.7896	1.2664	0.7797	1.2825	0.7719	1.2955
0.76	0.8014	1.2478	0.7803	1.2816	0.7700	1.2986	0.7620	1.3123
0.75	0.7927	1.2615	0.7709	1.2971	0.7604	1.3152	0.7521	1.3297
0.74	0.7840	1.2755	0.7615	1.3131	0.7506	1.3322	0.7421	1.3475
0.73	0.7753	1.2899	0.7521	1.3296	0.7409	1.3496	0.7322	1.3658
0.72	0.7665	1.3047	0.7427	1.3465	0.7312	1.3676	0.7222	1.3846
0.71	0.7577	1.3199	0.7332	1.3638	0.7215	1.3861	0.7123	1.4040
0.70	0.7488	1.3355	0.7238	1.3817	0.7117	1.4051	0.7023	1.4239
0.69	0.7399	1.3516	0.7142	1.4001	0.7020	1.4246	0.6924	1.4443
0.68	0.7309	1.3681	0.7047	1.4190	0.6922	1.4447	0.6824	1.4654
0.67	0.7219	1.3852	0.6952	1.4385	0.6824	1.4654	0.6724	1.4871
0.66	0.7129	1.4028	0.6856	1.4586	0.6726	1.4868	0.6625	1.5095
0.65	0.7038	1.4209	0.6760	1.4793	0.6628	1.5088	0.6525	1.5325
0.64	0.6946	1.4396	0.6664	1.5007	0.6530	1.5315	0.6426	1.5563
0.63	0.6854	1.4590	0.6567	1.5227	0.6431	1.5549	0.6326	1.5808
0.62	0.6762	1.4789	0.6471	1.5455	0.6333	1.5791	0.6226	1.6061
0.61	0.6669	1.4995	0.6374	1.5690	0.6234	1.6041	0.6126	1.6323
0.60	0.6575	1.5208	0.6276	1.5933	0.6135	1.6299	0.6027	1.6593
0.59	0.6481	1.5429	0.6179	1.6185	0.6037	1.6566	0.5927	1.6872
0.58	0.6387	1.5657	0.6081	1.6445	0.5938	1.6842	0.5827	1.7161

0.57	0.6292	1.5894	0.5983	1.6714	0.5838	1.7128	0.5727	1.7461
0.56	0.6196	1.6139	0.5885	1.6993	0.5739	1.7424	0.5627	1.7770
0.55	0.6100	1.6393	0.5786	1.7283	0.5640	1.7731	0.5527	1.8092
0.54	0.6003	1.6657	0.5687	1.7583	0.5540	1.8050	0.5428	1.8425
0.53	0.5906	1.6931	0.5588	1.7895	0.5441	1.8380	0.5328	1.8770
0.52	0.5809	1.7216	0.5489	1.8219	0.5341	1.8724	0.5228	1.9129
0.51	0.5710	1.7512	0.5389	1.8555	0.5241	1.9081	0.5128	1.9502
0.50	0.5612	1.7820	0.5289	1.8906	0.5141	1.9452	0.5028	1.9890
0.49	0.5512	1.8142	0.5189	1.9270	0.5041	1.9838	0.4928	2.0294
0.48	0.5412	1.8476	0.5089	1.9650	0.4940	2.0241	0.4827	2.0715
0.47	0.5312	1.8826	0.4988	2.0047	0.4840	2.0661	0.4727	2.1153
0.46	0.5211	1.9191	0.4887	2.0461	0.4740	2.1099	0.4627	2.1611
0.45	0.5109	1.9572	0.4786	2.0893	0.4639	2.1557	0.4527	2.2089
0.44	0.5007	1.9971	0.4685	2.1345	0.4538	2.2035	0.4427	2.2589
0.43	0.4905	2.0389	0.4583	2.1818	0.4437	2.2536	0.4327	2.3112
0.42	0.4801	2.0827	0.4481	2.2314	0.4336	2.3061	0.4227	2.3660
0.41	0.4698	2.1287	0.4379	2.2835	0.4235	2.3612	0.4126	2.4234
0.40	0.4593	2.1770	0.4277	2.3381	0.4134	2.4190	0.4026	2.4838
0.39	0.4489	2.2278	0.4174	2.3956	0.4033	2.4798	0.3926	2.5472
0.38	0.4383	2.2814	0.4071	2.4561	0.3931	2.5438	0.3826	2.6140
0.37	0.4277	2.3379	0.3968	2.5200	0.3830	2.6113	0.3725	2.6844
0.36	0.4171	2.3975	0.3865	2.5873	0.3728	2.6825	0.3625	2.7587
0.35	0.4064	2.4606	0.3761	2.6586	0.3626	2.7578	0.3525	2.8373
0.34	0.3957	2.5274	0.3658	2.7340	0.3524	2.8375	0.3424	2.9204
0.33	0.3849	2.5984	0.3554	2.8141	0.3422	2.9221	0.3324	3.0087
0.32	0.3740	2.6738	0.3449	2.8991	0.3320	3.0120	0.3223	3.1024
0.31	0.3631	2.7541	0.3345	2.9897	0.3218	3.1077	0.3123	3.2022
0.30	0.3521	2.8398	0.3240	3.0863	0.3115	3.2098	0.3022	3.3086
0.29	0.3411	2.9314	0.3135	3.1896	0.3013	3.3189	0.2922	3.4224
0.28	0.3301	3.0296	0.3030	3.3003	0.2910	3.4359	0.2821	3.5443
0.27	0.3190	3.1352	0.2925	3.4193	0.2808	3.5615	0.2721	3.6752
0.26	0.3078	3.2489	0.2819	3.5474	0.2705	3.6967	0.2620	3.8163
0.25	0.2966	3.3717	0.2713	3.6857	0.2602	3.8428	0.2520	3.9686
0.24	0.2853	3.5048	0.2607	3.8356	0.2499	4.0011	0.2419	4.1336
0.23	0.2740	3.6495	0.2501	3.9985	0.2396	4.1732	0.2319	4.3129
0.22	0.2626	3.8074	0.2394	4.1763	0.2293	4.3609	0.2218	4.5085
0.21	0.2512	3.9804	0.2288	4.3710	0.2190	4.5665	0.2117	4.7228
0.20	0.2398	4.1707	0.2181	4.5852	0.2087	4.7926	0.2017	4.9585
0.19	0.2283	4.3810	0.2074	4.8220	0.1983	5.0426	0.1916	5.2190
0.18	0.2167	4.6148	0.1967	5.0851	0.1880	5.3203	0.1815	5.5085
0.17	0.2051	4.8761	0.1859	5.3792	0.1776	5.6308	0.1715	5.8320
0.16	0.1934	5.1701	0.1751	5.7100	0.1672	5.9800	0.1614	6.1960
0.15	0.1817	5.5033	0.1643	6.0850	0.1568	6.3758	0.1513	6.6085
0.14	0.1699	5.8842	0.1535	6.5135	0.1465	6.8282	0.1412	7.0799
0.13	0.1581	6.3237	0.1427	7.0080	0.1361	7.3501	0.1312	7.6239
0.12	0.1463	6.8364	0.1318	7.5848	0.1256	7.9591	0.1211	8.2585
0.11	0.1344	7.4424	0.1210	8.2666	0.1152	8.6788	0.1110	9.0085
0.10	0.1224	8.1696	0.1101	9.0848	0.1048	9.5424	0.1009	9.9085
0.09	0.1104	9.0585	0.0992	10.0848	0.0944	10.5979	0.0908	11.0085

0.08	0.0983	10.1695	0.0882	11.3348	0.0839	11.9174	0.0808	12.3835
0.07	0.0862	11.5981	0.0773	12.9419	0.0735	13.6138	0.0707	14.1513
0.06	0.0741	13.5028	0.0663	15.0847	0.0630	15.8757	0.0606	16.5085
0.05	0.0618	16.1695	0.0553	18.0847	0.0525	19.0424	0.0505	19.8085
0.04	0.0496	20.1695	0.0443	22.5847	0.0420	23.7924	0.0404	24.7585
0.03	0.0373	26.8361	0.0332	30.0847	0.0315	31.7090	0.0303	33.0085
0.02	0.0249	40.1694	0.0222	45.0847	0.0210	47.5424	0.0202	49.5085
0.01	0.0125	80.1694	0.0111	90.0847	0.0105	95.0424	0.0101	99.0085
0.00	0.0000	∞	0.0000	∞	0.0000	∞	0.0000	∞