Table 1: ALs and CPs of PIs for $X_{s:n}$ for different choices of $\boldsymbol{\vartheta}$ based on censoring scheme $(n, r) = (20, 12)$.

	s	Pivot method		Conditional method		Bootstrap method		S_{4-2}		S_{4-3}	
		AL	CP	AL	CP	AL	CP	AL	CP	AL	CP
$\boldsymbol{\vartheta} = (0.1, 2, 4)$	13	0.1028	0.9425	0.0998	0.9462	0.0935	0.9481	0.1171	0.9489	0.1171	0.9489
	14	0.1591	0.9416	0.1408	0.9453	0.1372	0.9467	0.2070	0.9456	0.2070	0.9456
	15	0.2014	0.9401	0.1995	0.9440	0.1742	0.9458	0.2920	0.8386	0.3077	0.9490
	16	0.2488	0.9392	0.2423	0.9429	0.2109	0.9447	0.3319	0.7998	0.4141	0.8900
	17	0.2930	0.9384	0.2812	0.9417	0.2639	0.9436	0.4561	0.8048	0.9416	0.8822
	18	0.3597	0.9370	0.3399	0.9403	0.3065	0.9422	0.6427	0.8236	0.6881	0.8914
	19	0.4152	0.9358	0.3968	0.9391	0.3526	0.9418	0.9922	0.8577	1.0497	0.9123
	20	0.4873	0.9345	0.4705	0.9376	0.4191	0.9403	2.0038	0.9026	2.0827	0.9349
$\boldsymbol{\vartheta} = (0.1, 0.05, 0.1)$	13	2.7475	0.9489	2.6374	0.9496	2.3718	0.9512	4.6830	0.9489	4.6830	0.9489
	14	2.9842	0.9472	2.8658	0.9488	2.5278	0.9501	8.2802	0.9456	8.2802	0.9456
	15	3.2522	0.9465	3.0927	0.9476	2.8490	0.9493	11.6765	0.8386	12.3055	0.9490
	16	3.5814	0.9455	3.3428	0.9468	3.1015	0.9484	13.2759	0.7998	16.5630	0.8900
	17	3.7681	0.9440	3.5248	0.9453	3.3752	0.9471	18.2442	0.8048	19.6618	0.8822
	18	3.9829	0.9428	3.8164	0.9445	3.5957	0.9458	25.7070	0.8236	27.5245	0.8914
	19	4.2624	0.9423	4.1889	0.9431	3.8243	0.9443	39.6854	0.8577	41.9869	0.9123
	20	4.5256	0.9414	4.3735	0.9419	3.9742	0.9430	80.1546	0.9026	83.3086	0.9349
$\boldsymbol{\vartheta} = (0.5, 2, 4)$	13	0.1477	0.9436	0.1454	0.9474	0.1271	0.9493	0.1644	0.9489	0.1644	0.9489
	14	0.2128	0.9427	0.2114	0.9462	0.1936	0.9481	0.2942	0.9456	0.2942	0.9456
	15	0.3002	0.9419	0.2871	0.9450	0.2553	0.9470	0.4200	0.8390	0.4418	0.9490
	16	0.3819	0.9408	0.3694	0.9439	0.3328	0.9458	0.4879	0.8002	0.6005	0.8900
	17	0.4682	0.9396	0.4522	0.9428	0.4180	0.9446	0.6728	0.8058	0.7228	0.8822
	18	0.5585	0.9382	0.5277	0.9415	0.4992	0.9437	0.9441	0.8247	1.0089	0.8915
	19	0.6527	0.9371	0.6448	0.9402	0.5845	0.9428	1.4257	0.8576	1.5095	0.9123
	20	0.7364	0.9359	0.7009	0.9389	0.6483	0.9413	2.5733	0.8985	2.6891	0.9305
$\boldsymbol{\vartheta} = (0.5, 0.05, 0.1)$	13	3.2142	0.9502	3.1827	0.9518	2.7183	0.9535	6.5750	0.9489	6.5750	0.9489
	14	3.4628	0.9492	3.4052	0.9506	3.1098	0.9521	11.7665	0.9456	11.7665	0.9456
	15	3.7821	0.9481	3.6946	0.9490	3.3958	0.9512	16.8000	0.8390	17.6706	0.9490
	16	3.9325	0.9473	3.8241	0.9481	3.6053	0.9503	19.5150	0.8002	24.0203	0.8900
	17	4.3041	0.9466	4.1075	0.9473	3.8428	0.9492	26.9140	0.8058	28.9123	0.8822
	18	4.6919	0.9452	4.5253	0.9459	4.0827	0.9477	37.7636	0.8247	40.3563	0.8915
	19	4.9428	0.9439	4.7858	0.9451	4.3419	0.9469	57.0277	0.8576	60.3809	0.9123
	20	5.3197	0.9428	5.1576	0.9438	4.5282	0.9460	102.9301	0.8985	107.5615	0.9305
$\boldsymbol{\vartheta} = (0.9, 2, 4)$	13	0.2013	0.9444	0.1994	0.9485	0.1733	0.9508	0.2060	0.9489	0.2060	0.9489
	14	0.2744	0.9437	0.2713	0.9477	0.2245	0.9499	0.3626	0.9456	0.3626	0.9456
	15	0.3551	0.9429	0.3535	0.9463	0.2950	0.9484	0.5074	0.8386	0.5350	0.9490
	16	0.4475	0.9418	0.4272	0.9451	0.3926	0.9479	0.5666	0.7998	0.7117	0.8900
	17	0.5387	0.9406	0.5094	0.9449	0.4482	0.9462	0.7635	0.8048	0.8263	0.8821
	18	0.6329	0.9389	0.6172	0.9436	0.5219	0.9450	1.0470	0.8235	1.1267	0.8913
	19	0.7433	0.9379	0.7088	0.9422	0.6134	0.9438	1.5430	0.8565	1.6433	0.9111
	20	0.7986	0.9367	0.7668	0.9409	0.6973	0.9427	2.6706	0.8948	2.8075	0.9271
$\boldsymbol{\vartheta} = (0.9, 0.05, 0.1)$	13	3.8657	0.9525	3.8202	0.9534	3.1938	0.9552	8.2384	0.9489	8.2384	0.9489
	14	4.1282	0.9513	4.0823	0.9523	3.3246	0.9542	14.5020	0.9456	14.5020	0.9456
	15	4.3809	0.9506	4.2182	0.9514	3.7118	0.9533	20.2948	0.8386	21.3993	0.9490
	16	4.6282	0.9491	4.4518	0.9501	4.0108	0.9524	22.6645	0.7998	28.4683	0.8900
	17	4.9674	0.9483	4.7993	0.9488	4.3371	0.9509	30.5367	0.8048	33.0490	0.8821
	18	5.2742	0.9475	5.0837	0.9479	4.6448	0.9498	41.8788	0.8235	45.0661	0.8913
	19	5.5154	0.9460	5.3282	0.9468	4.8983	0.9487	61.7202	0.8565	65.7322	0.9111
	20	5.9082	0.9453	5.7748	0.9459	5.2183	0.9481	106.8216	0.8948	112.2475	0.9271

Table 2: ALs and CPs of PIs for $X_{s:n}$ for different choices of ϑ based on censoring scheme $(n, r) = (40, 30)$.

		Pivot method		Conditional method		Bootstrap method	
	s	AL	CP	AL	CP	AL	CP
$\vartheta = (0.1, 2, 4)$	31	0.0825	0.9406	0.0795	0.9443	0.0750	0.9467
	32	0.1109	0.9393	0.1087	0.9432	0.0985	0.9458
	33	0.1357	0.9381	0.1307	0.9427	0.1137	0.9449
	34	0.1629	0.9376	0.1576	0.9419	0.1342	0.9442
	35	0.1862	0.9369	0.1794	0.9411	0.1559	0.9436
	36	0.2119	0.9361	0.2061	0.9406	0.1819	0.9424
	37	0.2336	0.9354	0.2242	0.9396	0.2046	0.9413
	38	0.2588	0.9342	0.2520	0.9384	0.2351	0.9408
	39	0.2864	0.9337	0.2693	0.9373	0.2519	0.9400
	40	0.3163	0.9325	0.2973	0.9364	0.2811	0.9392
$\vartheta = (0.1, 0.05, 0.1)$	31	2.2573	0.9465	2.1628	0.9474	2.0992	0.9493
	32	2.5166	0.9458	2.4834	0.9463	2.3166	0.9483
	33	2.7044	0.9449	2.6392	0.9457	2.5549	0.9475
	34	2.9621	0.9437	2.8408	0.9448	2.7075	0.9468
	35	3.1966	0.9424	2.9810	0.9439	2.8654	0.9459
	36	3.3254	0.9416	3.2671	0.9425	2.9792	0.9447
	37	3.5719	0.9407	3.4009	0.9416	3.1995	0.9436
	38	3.7979	0.9395	3.6337	0.9407	3.3094	0.9428
	39	4.0282	0.9388	3.8246	0.9399	3.5813	0.9416
	40	4.2816	0.9473	4.1182	0.9386	3.8127	0.9407
$\vartheta = (0.5, 2, 4)$	31	0.1039	0.9418	0.1022	0.9452	0.0880	0.9474
	32	0.1362	0.9406	0.1344	0.9447	0.1072	0.9462
	33	0.1694	0.9398	0.1623	0.9436	0.1319	0.9453
	34	0.2025	0.9387	0.1968	0.9425	0.1576	0.9446
	35	0.2266	0.9375	0.2118	0.9418	0.1822	0.9432
	36	0.2519	0.9369	0.2363	0.9407	0.2090	0.9428
	37	0.2779	0.9362	0.2609	0.9401	0.2338	0.9419
	38	0.3008	0.9351	0.2886	0.9394	0.2569	0.9398
	39	0.3286	0.9347	0.3101	0.9388	0.2781	0.9389
	40	0.3574	0.9338	0.3468	0.9374	0.3094	0.9382
$\vartheta = (0.5, 0.05, 0.1)$	31	2.5940	0.9483	2.5282	0.9491	2.2852	0.9513
	32	2.7873	0.9476	2.7528	0.9484	2.4627	0.9506
	33	2.9142	0.9464	2.8867	0.9475	2.7084	0.9497
	34	3.2251	0.9452	3.1189	0.9464	2.9231	0.9486
	35	3.4381	0.9445	3.3592	0.9458	3.1867	0.9477
	36	3.6709	0.9438	3.5056	0.9446	3.4114	0.9463
	37	3.9057	0.9429	3.7284	0.9435	3.5748	0.9451
	38	4.1212	0.9417	3.9428	0.9423	3.7852	0.9445
	39	4.3529	0.9406	4.1795	0.9416	3.9682	0.9438
	40	4.5082	0.9393	4.3668	0.9407	4.0992	0.9424
$\vartheta = (0.9, 2, 4)$	31	0.1475	0.9427	0.1421	0.9467	0.1274	0.9484
	32	0.1882	0.9416	0.1833	0.9454	0.1527	0.9473
	33	0.2209	0.9408	0.2157	0.9446	0.1892	0.9463
	34	0.2591	0.9391	0.2418	0.9435	0.2229	0.9457
	35	0.3066	0.9385	0.2889	0.9426	0.2541	0.9448
	36	0.3501	0.9377	0.3384	0.9418	0.2981	0.9436
	37	0.3968	0.9367	0.3831	0.9407	0.3382	0.9425
	38	0.4492	0.9362	0.4218	0.9399	0.3812	0.9418
	39	0.4958	0.9356	0.4715	0.9387	0.4207	0.9407
	40	0.5752	0.9343	0.5360	0.9475	0.4727	0.9397
$\vartheta = (0.9, 0.05, 0.1)$	31	2.6728	0.9495	2.6182	0.9506	2.4381	0.9527
	32	2.8827	0.9486	2.8472	0.9495	2.6218	0.9516
	33	3.1072	0.9474	3.0578	0.9487	2.8527	0.9503
	34	3.3128	0.9463	3.2482	0.9473	3.0610	0.9492
	35	3.5720	0.9455	3.4927	0.9462	3.2928	0.9484
	36	3.7958	0.9446	3.6281	0.9450	3.5383	0.9476
	37	3.9883	0.9438	3.8683	0.9442	3.7069	0.9462
	38	4.2718	0.9429	4.1139	0.9436	3.9472	0.9454
	39	4.4508	0.9417	4.3282	0.9428	4.1819	0.9447
	40	4.7182	0.9405	4.5601	0.9417	4.2994	0.9438

Table 3: ALs and CPs of PIs of $X_{s:N}$ for $r = 12$ and $N \backsim Bin(30, 0.8|s)$ with $s = r+1, \ldots, 20$.

	s	Pivot method AL	CP	Conditional method AL	CP	Bootstrap method AL	CP	S_{4-2} AL	CP	S_{4-3} AL	CP
$\boldsymbol{\vartheta} = (0.1, 2, 4)$	13	0.0711	0.9412	0.0702	0.9432	0.0602	0.9463	0.0797	0.9473	0.0797	0.9473
	14	0.0934	0.9406	0.0929	0.9414	0.0743	0.9452	0.1374	0.9478	0.1374	0.9478
	15	0.1096	0.9396	0.1088	0.9405	0.0838	0.9447	0.1682	0.8254	0.1982	0.9461
	16	0.1352	0.9388	0.1345	0.9391	0.1077	0.9436	0.2202	0.7769	0.2373	0.8838
	17	0.1778	0.9375	0.1767	0.9384	0.1362	0.9424	0.2593	0.7659	0.3062	0.8559
	18	0.2122	0.9362	0.2112	0.9371	0.1641	0.9418	0.3269	0.7690	0.3531	0.8517
	19	0.2682	0.9354	0.2683	0.9362	0.1997	0.9407	0.4208	0.7870	0.4805	0.8669
	20	0.3260	0.9342	0.3254	0.9353	0.2529	0.9393	0.4723	0.7853	0.5095	0.8664
$\boldsymbol{\vartheta} = (0.1, 0.05, 0.1)$	13	2.2469	0.9472	2.2460	0.9481	2.0413	0.9493	3.1873	0.9473	3.1873	0.9473
	14	2.4381	0.9460	2.4362	0.9477	2.2256	0.9482	5.4873	0.9478	5.4957	0.9478
	15	2.6618	0.9449	2.6609	0.9456	2.4382	0.9474	6.7260	0.8254	7.9270	0.9461
	16	2.9006	0.9437	2.8995	0.9447	2.6145	0.9465	8.8067	0.7769	9.4907	0.8838
	17	3.1415	0.9425	3.1414	0.9438	2.8315	0.9454	10.3700	0.7659	12.2479	0.8559
	18	3.3812	0.9419	3.3804	0.9424	2.9925	0.9440	13.0737	0.7690	14.1227	0.8517
	19	3.6108	0.9410	3.6099	0.9419	3.2847	0.9437	16.8342	0.7870	19.2199	0.8669
	20	3.8522	0.9403	3.8518	0.9407	3.5149	0.9428	18.8916	0.7853	20.3769	0.8664
$\boldsymbol{\vartheta} = (0.5, 2, 4)$	13	0.0944	0.9423	0.0942	0.9434	0.0758	0.9476	0.1094	0.9473	0.1094	0.9473
	14	0.1236	0.9415	0.1231	0.9421	0.1086	0.9465	0.1905	0.9478	0.1905	0.9478
	15	0.1587	0.9408	0.1576	0.9414	0.1267	0.9454	0.2371	0.8252	0.2774	0.9461
	16	0.1927	0.9396	0.1923	0.9406	0.1511	0.9443	0.3266	0.7772	0.3370	0.8839
	17	0.2286	0.9384	0.2277	0.9394	0.1889	0.9438	0.3750	0.7664	0.4517	0.8560
	18	0.2680	0.9374	0.2674	0.9382	0.2162	0.9427	0.4770	0.7695	0.5192	0.8517
	19	0.2915	0.9361	0.2914	0.9374	0.2403	0.9416	0.6173	0.7878	0.7153	0.8672
	20	0.3482	0.9350	0.3479	0.9366	0.2856	0.9402	0.6947	0.7858	0.7472	0.8666
$\boldsymbol{\vartheta} = (0.5, 0.05, 0.1)$	13	2.5378	0.9493	2.5369	0.9508	2.3824	0.9516	4.3799	0.9473	4.3799	0.9473
	14	2.7569	0.9482	2.7532	0.9499	2.5573	0.9507	7.6229	0.9478	7.6229	0.9478
	15	2.9712	0.9474	2.9755	0.9487	2.7286	0.9493	9.4836	0.8252	11.0960	0.9461
	16	3.3057	0.9465	3.3048	0.9479	2.9621	0.9487	13.0657	0.7772	13.4798	0.8839
	17	3.5431	0.9458	3.5389	0.9467	3.2051	0.9474	15.0025	0.7664	18.0687	0.8560
	18	3.8146	0.9447	3.8135	0.9454	3.4716	0.9465	19.0767	0.7695	20.7661	0.8517
	19	4.0119	0.9434	4.0110	0.9446	3.7182	0.9457	24.6907	0.7878	28.6085	0.8672
	20	4.2876	0.9421	4.2861	0.9435	3.8821	0.9446	27.7870	0.7858	29.8857	0.8666
$\boldsymbol{\vartheta} = (0.9, 2, 4)$	13	0.1369	0.9435	0.1353	0.9446	0.1154	0.9486	0.1405	0.9473	0.1405	0.9473
	14	0.1977	0.9426	0.1969	0.9432	0.1805	0.9474	0.2420	0.9478	0.2420	0.9478
	15	0.2426	0.9418	0.2419	0.9425	0.2224	0.9462	0.2953	0.8253	0.3482	0.9461
	16	0.2982	0.9407	0.2980	0.9417	0.2663	0.9453	0.3744	0.7769	0.4152	0.8838
	17	0.3551	0.9393	0.3540	0.9406	0.3169	0.9445	0.4471	0.7660	0.5219	0.8558
	18	0.4119	0.9384	0.4108	0.9396	0.3753	0.9436	0.5605	0.7690	0.6015	0.8517
	19	0.4606	0.9372	0.4596	0.9384	0.4194	0.9428	0.7113	0.7871	0.8068	0.8670
	20	0.5246	0.9361	0.5239	0.9376	0.4588	0.9419	0.7892	0.7855	0.8545	0.8664
$\boldsymbol{\vartheta} = (0.9, 0.05, 0.1)$	13	2.8428	0.9506	2.8423	0.9519	2.6721	0.9534	5.6191	0.9473	5.6191	0.9473
	14	3.1382	0.9493	3.1377	0.9507	2.8716	0.9522	9.6776	0.9478	9.6776	0.9478
	15	3.4217	0.9485	3.4186	0.9498	3.1144	0.9514	11.8123	0.8253	13.9283	0.9461
	16	3.7199	0.9473	3.7167	0.9489	3.4902	0.9505	14.9756	0.7769	16.6051	0.8838
	17	4.0892	0.9463	4.0730	0.9477	3.7355	0.9496	17.8837	0.7660	20.8766	0.8558
	18	4.3356	0.9455	4.3345	0.9469	3.9632	0.9487	22.4219	0.7690	24.0619	0.8517
	19	4.6912	0.9447	4.6908	0.9455	4.2619	0.9479	28.4524	0.7871	32.2718	0.8670
	20	4.9235	0.9436	4.9243	0.9444	4.5108	0.9471	31.5688	0.7855	34.1793	0.8664

Table 4: ALs and CPs of PIs of $X_{s:N}$ for $r = 20$ and $N \backsim Bin(50, 0.8|s)$ with $s = r + 1, \ldots, 30$.

	s	Pivot method		Conditional method		Bootstrap method	
		AL	CP	AL	CP	AL	CP
$\boldsymbol{\vartheta} = (0.1, 2, 4)$	21	0.0612	0.9394	0.0603	0.9418	0.0505	0.9455
	22	0.0785	0.9382	0.0775	0.9406	0.0619	0.9446
	23	0.0904	0.9374	0.0901	0.9392	0.0776	0.9437
	24	0.1115	0.9367	0.1106	0.9386	0.0932	0.9428
	25	0.1336	0.9354	0.1325	0.9374	0.1176	0.9417
	26	0.1642	0.9343	0.1632	0.9367	0.1439	0.9408
	27	0.1879	0.9331	0.1872	0.9354	0.1648	0.9396
	28	0.2117	0.9322	0.2109	0.9345	0.1791	0.9384
	29	0.2419	0.9314	0.2418	0.9337	0.1926	0.9375
	30	0.2767	0.9305	0.2748	0.9328	0.2210	0.9365
$\boldsymbol{\vartheta} = (0.1, 0.05, 0.1)$	21	1.9347	0.9452	1.9274	0.9467	1.7167	0.9486
	22	2.0184	0.9445	2.0068	0.9455	1.8345	0.9473
	23	2.2478	0.9436	2.2027	0.9446	1.9851	0.9462
	24	2.4171	0.9427	2.4107	0.9435	2.1082	0.9454
	25	2.6218	0.9418	2.6212	0.9428	2.3517	0.9447
	26	2.8436	0.9406	2.8335	0.9415	2.5144	0.9438
	27	2.9811	0.9396	2.9670	0.9404	2.6834	0.9425
	28	3.1105	0.9383	3.1069	0.9392	2.8218	0.9416
	29	3.3847	0.9375	3.3824	0.9386	3.0618	0.9404
	30	3.5014	0.9363	3.5010	0.9373	3.1995	0.9391
$\boldsymbol{\vartheta} = (0.5, 2, 4)$	21	0.0915	0.9405	0.0913	0.9426	0.0756	0.9463
	22	0.1063	0.9392	0.1051	0.9414	0.0923	0.9455
	23	0.1275	0.9384	0.1269	0.9406	0.1085	0.9446
	24	0.1490	0.9375	0.1471	0.9397	0.1233	0.9434
	25	0.1708	0.9366	0.1692	0.9382	0.1467	0.9425
	26	0.1968	0.9354	0.1938	0.9371	0.1709	0.9417
	27	0.2225	0.9342	0.2219	0.9364	0.1835	0.9406
	28	0.2537	0.9331	0.2528	0.9356	0.2196	0.9393
	29	0.2764	0.9324	0.2755	0.9345	0.2365	0.9385
	30	0.3058	0.9316	0.3044	0.9336	0.2610	0.9378
$\boldsymbol{\vartheta} = (0.5, 0.05, 0.1)$	21	2.1524	0.9473	2.1452	0.9484	1.9577	0.9506
	22	2.3415	0.9462	2.3316	0.9476	2.1074	0.9494
	23	2.5648	0.9454	2.5607	0.9467	2.2846	0.9487
	24	2.7186	0.9447	2.7138	0.9459	2.4186	0.9475
	25	2.9671	0.9438	2.9600	0.9448	2.6879	0.9466
	26	3.1579	0.9427	3.1558	0.9436	2.8177	0.9454
	27	3.3575	0.9419	3.3491	0.9424	2.9718	0.9443
	28	3.6088	0.9406	3.6044	0.9412	3.1280	0.9436
	29	3.8617	0.9395	3.8510	0.9400	3.3978	0.9426
	30	4.1971	0.9383	4.1978	0.9393	3.5581	0.9413
$\boldsymbol{\vartheta} = (0.9, 2, 4)$	21	0.1086	0.9417	0.1083	0.9436	0.0909	0.9476
	22	0.1223	0.9404	0.1216	0.9428	0.1115	0.9465
	23	0.1426	0.9392	0.1408	0.9414	0.1230	0.9457
	24	0.1637	0.9381	0.1622	0.9405	0.1452	0.9442
	25	0.1987	0.9373	0.1971	0.9394	0.1634	0.9436
	26	0.2236	0.9365	0.2208	0.9382	0.1821	0.9424
	27	0.2539	0.9357	0.2534	0.9373	0.2096	0.9418
	28	0.2822	0.9349	0.2819	0.9366	0.2432	0.9403
	29	0.3086	0.9340	0.3077	0.9358	0.2580	0.9397
	30	0.3351	0.9332	0.3348	0.9346	0.2888	0.9382
$\boldsymbol{\vartheta} = (0.9, 0.05, 0.1)$	21	2.3874	0.9491	2.3682	0.9502	2.1249	0.9519
	22	2.6472	0.9482	2.6233	0.9491	2.3385	0.9506
	23	2.8829	0.9474	2.8785	0.9483	2.5418	0.9494
	24	3.1227	0.9463	3.1156	0.9476	2.7144	0.9483
	25	3.3679	0.9457	3.3588	0.9465	2.9288	0.9475
	26	3.5937	0.9449	3.5892	0.9459	3.0926	0.9466
	27	3.8368	0.9441	3.8358	0.9448	3.2852	0.9454
	28	4.0972	0.9434	4.0963	0.9436	3.5211	0.9448
	29	4.3386	0.9421	4.3371	0.9427	3.7158	0.9439
	30	4.5609	0.9416	4.5621	0.9418	4.0326	0.9430

Table 5: Comparison of two approaches of bootstrap for selected cases based on censoring scheme $(n, r) = (20, 12)$.

		Direct bootstrap method		Bootstrap method	
	s	AL	CP	AL	CP
$\boldsymbol{\vartheta} = (0.1, 2, 4)$	13	0.3124	0.9418	0.0935	0.9481
	15	0.3258	0.9406	0.1742	0.9458
	17	0.4385	0.9393	0.2639	0.9436
	19	0.7138	0.9381	0.3526	0.9418
$\boldsymbol{\vartheta} = (0.1, 0.05, 0.1)$	13	12.4993	0.9477	2.3718	0.9512
	15	13.0323	0.9462	2.8490	0.9493
	17	17.5410	0.9451	3.3752	0.9471
	19	21.5531	0.9437	3.8243	0.9443
$\boldsymbol{\vartheta} = (0.5, 2, 4)$	13	0.3516	0.9424	0.1271	0.9493
	15	0.3666	0.9412	0.2553	0.9470
	17	0.4934	0.9401	0.4180	0.9446
	19	0.8032	0.9390	0.5845	0.9428
$\boldsymbol{\vartheta} = (0.5, 0.05, 0.1)$	13	14.0659	0.9481	2.7183	0.9535
	15	14.6657	0.9469	3.3958	0.9512
	17	19.7394	0.9455	3.8428	0.9492
	19	22.1317	0.9441	4.3419	0.9469
$\boldsymbol{\vartheta} = (0.9, 2, 4)$	13	0.4262	0.9411	0.1733	0.9508
	15	0.4444	0.9399	0.2950	0.9484
	17	0.5981	0.9386	0.4482	0.9462
	19	0.9737	0.9374	0.6134	0.9438
$\boldsymbol{\vartheta} = (0.9, 0.05, 0.1)$	13	17.0505	0.9496	3.1938	0.9552
	15	17.7776	0.9481	3.7118	0.9533
	17	23.9279	0.9469	4.3371	0.9509
	19	28.9497	0.9456	4.8983	0.9487

Table 6: Comparison of two approaches of bootstrap for selected cases for $r = 12$ and $N \backsim Bin(30, 0.8|s)$ with $s = r + 1, \ldots, 20$.

		Direct bootstrap method		Bootstrap method	
	s	AL	CP	AL	CP
$\boldsymbol{\vartheta} = (0.1, 2, 4)$	13	0.1956	0.9399	0.0602	0.9463
	15	0.2495	0.9385	0.0838	0.9447
	17	0.2621	0.9372	0.1362	0.9424
	19	0.3817	0.9358	0.1997	0.9407
$\boldsymbol{\vartheta} = (0.1, 0.05, 0.1)$	13	7.8274	0.9456	2.0413	0.9493
	15	9.9815	0.9443	2.4382	0.9474
	17	10.4865	0.9431	2.8315	0.9454
	19	12.2715	0.9417	3.2847	0.9437
$\boldsymbol{\vartheta} = (0.5, 2, 4)$	13	0.2391	0.9408	0.0758	0.9476
	15	0.3049	0.9396	0.1267	0.9454
	17	0.3203	0.9383	0.1889	0.9438
	19	0.4665	0.9371	0.2403	0.9416
$\boldsymbol{\vartheta} = (0.5, 0.05, 0.1)$	13	9.5654	0.9470	2.3824	0.9516
	15	12.1978	0.9457	2.7286	0.9493
	17	12.8149	0.9444	3.2051	0.9474
	19	14.6623	0.9430	3.7182	0.9457
$\boldsymbol{\vartheta} = (0.9, 2, 4)$	13	0.3679	0.9422	0.1154	0.9486
	15	0.4692	0.9408	0.2224	0.9462
	17	0.4930	0.9392	0.3169	0.9445
	19	0.7179	0.9377	0.4194	0.9428
$\boldsymbol{\vartheta} = (0.9, 0.05, 0.1)$	13	14.7198	0.9482	2.6721	0.9534
	15	16.7706	0.9469	3.1144	0.9514
	17	19.7202	0.9455	3.7355	0.9496
	19	23.7184	0.9441	4.2619	0.9479