

Supplementary Data: Full Simulation Tables (10,000 Replications)

November 29, 2025

Overview

This document contains the detailed simulation results for all 192 scenarios ($R=0.4, 0.5, 0.7$) with 10,000 replications.

Key Metrics:

- **Avg:** Average estimate
- **MSE:** Mean Squared Error
- **Bias:** Absolute bias
- **Width:** Average interval width
- **Coverage:** Coverage probability

Table: Average Estimates, MSEs, and Biases for R = 0.4

Setup	MLE			MPS			Bayes(IP)			Bayes(NIP)		
	Avg	MSE	Bias	Avg	MSE	Bias	Avg	MSE	Bias	Avg	MSE	Bias
n20_m10_S1_End.T_Mean	0.40344	0.01279	0.00344	0.41838	0.01314	0.01838	0.40365	0.00298	0.00365	0.40796	0.01175	0.00796
n20_m10_S1_End.T_Median	0.40530	0.01266	0.00529	0.41905	0.01296	0.01905	0.40368	0.00288	0.00368	0.40977	0.01164	0.00977
n20_m10_S2_Begin.T_Mean	0.40251	0.00511	0.00251	0.40238	0.00516	0.00238	0.40377	0.00220	0.00377	0.40728	0.00473	0.00728
n20_m10_S2_Begin.T_Median	0.40254	0.00518	0.00254	0.40244	0.00527	0.00244	0.40379	0.00224	0.00378	0.40730	0.00479	0.00730
n20_m10_S3_Middle.T_Mean	0.40340	0.00548	0.00340	0.40303	0.00535	0.00303	0.40434	0.00223	0.00434	0.40845	0.00515	0.00845
n20_m10_S3_Middle.T_Median	0.40389	0.00554	0.00389	0.40386	0.00541	0.00386	0.40466	0.00226	0.00466	0.40882	0.00516	0.00882
n20_m10_S4_Uniform.T_Mean	0.40435	0.00583	0.00435	0.40442	0.00658	0.00442	0.40510	0.00237	0.00510	0.40996	0.00531	0.00996
n20_m10_S4_Uniform.T_Median	0.40247	0.00586	0.00247	0.40265	0.00677	0.00265	0.40385	0.00239	0.00385	0.40817	0.00534	0.00817
n20_m16_S1_End.T_Mean	0.40514	0.00673	0.00514	0.40737	0.00773	0.00737	0.40456	0.00276	0.00456	0.40808	0.00640	0.00808
n20_m16_S1_End.T_Median	0.40271	0.00689	0.00271	0.40378	0.00808	0.00378	0.40311	0.00280	0.00311	0.40576	0.00654	0.00576
n20_m16_S2_Begin.T_Mean	0.40266	0.00504	0.00266	0.40270	0.00534	0.00270	0.40340	0.00244	0.00340	0.40558	0.00480	0.00558
n20_m16_S2_Begin.T_Median	0.40286	0.00501	0.00286	0.40288	0.00532	0.00288	0.40355	0.00242	0.00355	0.40582	0.00477	0.00582
n20_m16_S3_Middle.T_Mean	0.40309	0.00505	0.00309	0.40326	0.00525	0.00326	0.40371	0.00245	0.00371	0.40606	0.00482	0.00606
n20_m16_S3_Middle.T_Median	0.40232	0.00508	0.00232	0.40289	0.00536	0.00289	0.40323	0.00247	0.00323	0.40528	0.00484	0.00528
n20_m16_S4_Uniform.T_Mean	0.40315	0.00499	0.00315	0.40316	0.00531	0.00316	0.40383	0.00244	0.00383	0.40617	0.00478	0.00617
n20_m16_S4_Uniform.T_Median	0.40286	0.00513	0.00286	0.40310	0.00548	0.00310	0.40353	0.00251	0.00353	0.40583	0.00489	0.00583
n30_m15_S1_End.T_Mean	0.40399	0.00857	0.00399	0.41521	0.00927	0.01521	0.40395	0.00296	0.00395	0.40723	0.00808	0.00723
n30_m15_S1_End.T_Median	0.40574	0.00850	0.00574	0.41684	0.00919	0.01684	0.40446	0.00290	0.00446	0.40903	0.00803	0.00902
n30_m15_S2_Begin.T_Mean	0.40286	0.00341	0.00285	0.40293	0.00346	0.00293	0.40383	0.00190	0.00383	0.40592	0.00326	0.00592
n30_m15_S2_Begin.T_Median	0.40157	0.00343	0.00157	0.40139	0.00346	0.00139	0.40289	0.00191	0.00289	0.40472	0.00327	0.00472
n30_m15_S3_Middle.T_Mean	0.40215	0.00361	0.00215	0.40177	0.00354	0.00177	0.40336	0.00195	0.00336	0.40540	0.00345	0.00540
n30_m15_S3_Middle.T_Median	0.40211	0.00375	0.00211	0.40229	0.00367	0.00229	0.40335	0.00203	0.00335	0.40532	0.00358	0.00532
n30_m15_S4_Uniform.T_Mean	0.40193	0.00355	0.00193	0.40242	0.00395	0.00242	0.40347	0.00193	0.00347	0.40578	0.00334	0.00578
n30_m15_S4_Uniform.T_Median	0.40224	0.00363	0.00224	0.40232	0.00400	0.00231	0.40364	0.00197	0.00364	0.40604	0.00342	0.00604
n30_m24_S1_End.T_Mean	0.40295	0.00442	0.00295	0.40338	0.00512	0.00338	0.40342	0.00239	0.00342	0.40494	0.00429	0.00494
n30_m24_S1_End.T_Median	0.40369	0.00453	0.00369	0.40465	0.00537	0.00465	0.40394	0.00245	0.00394	0.40574	0.00438	0.00574
n30_m24_S2_Begin.T_Mean	0.40079	0.00322	0.00079	0.40078	0.00334	0.00078	0.40194	0.00195	0.00194	0.40287	0.00314	0.00287
n30_m24_S2_Begin.T_Median	0.40071	0.00334	0.00070	0.40046	0.00348	0.00046	0.40179	0.00203	0.00179	0.40269	0.00323	0.00269
n30_m24_S3_Middle.T_Mean	0.40065	0.00335	0.00065	0.40100	0.00347	0.00100	0.40178	0.00204	0.00178	0.40268	0.00325	0.00268
n30_m24_S3_Middle.T_Median	0.40171	0.00326	0.00171	0.40168	0.00336	0.00168	0.40266	0.00199	0.00266	0.40380	0.00319	0.00380
n30_m24_S4_Uniform.T_Mean	0.40143	0.00328	0.00143	0.40157	0.00341	0.00157	0.40238	0.00201	0.00238	0.40345	0.00318	0.00345
n30_m24_S4_Uniform.T_Median	0.40220	0.00327	0.00220	0.40241	0.00341	0.00241	0.40300	0.00200	0.00300	0.40419	0.00318	0.00419
n50_m25_S1_End.T_Mean	0.40313	0.00515	0.00313	0.41133	0.00581	0.01133	0.40346	0.00258	0.00346	0.40526	0.00496	0.00526
n50_m25_S1_End.T_Median	0.40403	0.00512	0.00403	0.41055	0.00569	0.01055	0.40386	0.00256	0.00386	0.40622	0.00494	0.00622
n50_m25_S2_Begin.T_Mean	0.40114	0.00198	0.00114	0.40110	0.00198	0.00110	0.40221	0.00137	0.00221	0.40296	0.00193	0.00296
n50_m25_S2_Begin.T_Median	0.40071	0.00200	0.00071	0.40070	0.00198	0.00070	0.40187	0.00139	0.00186	0.40255	0.00194	0.00255
n50_m25_S3_Middle.T_Mean	0.40173	0.00215	0.00173	0.40176	0.00209	0.00176	0.40277	0.00147	0.00277	0.40366	0.00210	0.00366
n50_m25_S3_Middle.T_Median	0.40167	0.00217	0.00167	0.40152	0.00211	0.00152	0.40271	0.00148	0.00271	0.40362	0.00211	0.00362
n50_m25_S4_Uniform.T_Mean	0.40182	0.00207	0.00182	0.40180	0.00221	0.00180	0.40303	0.00142	0.00303	0.40412	0.00200	0.00412
n50_m25_S4_Uniform.T_Median	0.40152	0.00204	0.00151	0.40164	0.00215	0.00164	0.40277	0.00141	0.00276	0.40386	0.00199	0.00386
n50_m40_S1_End.T_Mean	0.40153	0.00263	0.00153	0.40170	0.00307	0.00170	0.40215	0.00180	0.00215	0.40279	0.00258	0.00279
n50_m40_S1_End.T_Median	0.40127	0.00255	0.00126	0.40146	0.00295	0.00146	0.40195	0.00175	0.00195	0.40254	0.00250	0.00254
n50_m40_S2_Begin.T_Mean	0.40168	0.00197	0.00168	0.40167	0.00201	0.00167	0.40235	0.00145	0.00235	0.40284	0.00194	0.00284
n50_m40_S2_Begin.T_Median	0.40072	0.00189	0.00072	0.40071	0.00194	0.00071	0.40153	0.00139	0.00153	0.40192	0.00186	0.00192
n50_m40_S3_Middle.T_Mean	0.40060	0.00198	0.00060	0.40072	0.00201	0.00072	0.40143	0.00146	0.00143	0.40180	0.00194	0.00180
n50_m40_S3_Middle.T_Median	0.40112	0.00196	0.00112	0.40114	0.00199	0.00114	0.40190	0.00145	0.00190	0.40234	0.00193	0.00233
n50_m40_S4_Uniform.T_Mean	0.40164	0.00196	0.00164	0.40179	0.00202	0.00179	0.40231	0.00145	0.00231	0.40282	0.00193	0.00282
n50_m40_S4_Uniform.T_Median	0.40115	0.00194	0.00115	0.40123	0.00199	0.00123	0.40190	0.00144	0.00190	0.40233	0.00190	0.00233
n100_m50_S1_End.T_Mean	0.40160	0.00249	0.00160	0.40691	0.00296	0.00691	0.40221	0.00173	0.00221	0.40277	0.00245	0.00277
n100_m50_S1_End.T_Median	0.40159	0.00260	0.00159	0.40513	0.00300	0.00513	0.40214	0.00180	0.00214	0.40278	0.00255	0.00278
n100_m50_S2_Begin.T_Mean	0.40104	0.00101	0.00104	0.40104	0.00100	0.00104	0.40169	0.00084	0.00169	0.40196	0.00100	0.00196
n100_m50_S2_Begin.T_Median	0.40027	0.00097	0.00027	0.40035	0.00097	0.00035	0.40100	0.00080	0.00100	0.40119	0.00096	0.00119
n100_m50_S3_Middle.T_Mean	0.40066	0.00105	0.00066	0.40069	0.00101	0.00069	0.40140	0.00086	0.00139	0.40163	0.00104	0.00163
n100_m50_S3_Middle.T_Median	0.40084	0.00105	0.00084	0.40072	0.00102	0.00072	0.40157	0.00086	0.00157	0.40184	0.00104	0.00183
n100_m50_S4_Uniform.T_Mean	0.40080	0.00099	0.00080	0.40087	0.00102	0.00087	0.40166	0.00082	0.00166	0.40196	0.00098	0.00196
n100_m50_S4_Uniform.T_Median	0.40020	0.00101	0.00020	0.40018	0.00104	0.00018	0.40110	0.00083	0.00110	0.40135	0.00099	0.00135
n100_m80_S1_End.T_Mean	0.40052	0.00129	0.00052	0.40056	0.00150	0.00056	0.40101	0.00107	0.00101	0.40116	0.00128	0.00116
n100_m80_S1_End.T_Median	0.40046	0.00128	0.00046	0.40054	0.00151	0.00054	0.40095	0.00106	0.00094	0.40111	0.00127	0.00111
n100_m80_S2_Begin.T_Mean	0.40027	0.00097	0.00027	0.40038	0.00097	0.00038	0.40077	0.00083	0.00077	0.40086	0.00096	0.00085
n100_m80_S2_Begin.T_Median	0.40073	0.00099	0.00073	0.40073	0.00100	0.00073	0.40119	0.00084	0.00119	0.40132	0.00098	0.00132
n100_m80_S3_Middle.T_Mean	0.40069	0.00098	0.00069	0.40081	0.00099	0.00081	0.40116	0.00084	0.00116	0.40133	0.00098	0.00133
n100_m80_S3_Middle.T_Median	0.40073	0.00094	0.00073	0.40073	0.00096	0.00073	0.40119	0.00081	0.00119	0.40133	0.00094	0.00132
n100_m80_S4_Uniform.T_Mean	0.40012	0.00094	0.00011	0.40018	0.00095	0.00018	0.40063	0.00080	0.00063	0.40071	0.00093	0.00071
n100_m80_S4_Uniform.T_Median	0.40056	0.00095	0.00056	0.40060	0.00096	0.00060	0.40103	0.00082	0.00103	0.40117	0.00095	0.00117

Table: Average Interval Widths and Coverage Probabilities for $R = 0.4$

Setup	MLE		MPS		Bayes(IP)		Bayes(NIP)	
	Width	Coverage	Width	Coverage	Width	Coverage	Width	Coverage
n20_m10_S1_End_T_Mean	0.42445	0.9053	0.35669	0.8501	0.30813	0.9941	0.41133	0.9266
n20_m10_S1_End_T_Median	0.43509	0.9034	0.36150	0.8544	0.31110	0.9944	0.41939	0.9262
n20_m10_S2_Begin_T_Mean	0.37993	0.9824	0.36610	0.9765	0.28218	0.9968	0.38847	0.9916
n20_m10_S2_Begin_T_Median	0.37985	0.9825	0.36596	0.9764	0.28216	0.9969	0.38840	0.9920
n20_m10_S3_Middle_T_Mean	0.39729	0.9813	0.39183	0.9813	0.29004	0.9972	0.39577	0.9894
n20_m10_S3_Middle_T_Median	0.39719	0.9815	0.39216	0.9817	0.29004	0.9964	0.39572	0.9893
n20_m10_S4_Uniform_T_Mean	0.43512	0.9891	0.38529	0.9699	0.29878	0.9967	0.42698	0.9939
n20_m10_S4_Uniform_T_Median	0.43422	0.9856	0.38445	0.9633	0.29846	0.9969	0.42633	0.9926
n20_m16_S1_End_T_Mean	0.31290	0.9239	0.29293	0.8851	0.25807	0.9844	0.31321	0.9379
n20_m16_S1_End_T_Median	0.31206	0.9204	0.29157	0.8703	0.25780	0.9836	0.31252	0.9369
n20_m16_S2_Begin_T_Mean	0.30169	0.9505	0.29433	0.9386	0.24868	0.9861	0.30231	0.9624
n20_m16_S2_Begin_T_Median	0.30179	0.9522	0.29429	0.9412	0.24889	0.9875	0.30243	0.9634
n20_m16_S3_Middle_T_Mean	0.30669	0.9546	0.30100	0.9461	0.25074	0.9861	0.30538	0.9652
n20_m16_S3_Middle_T_Median	0.30638	0.9507	0.30121	0.9396	0.25068	0.9863	0.30501	0.9598
n20_m16_S4_Uniform_T_Mean	0.30282	0.9558	0.29369	0.9398	0.24905	0.9870	0.30334	0.9660
n20_m16_S4_Uniform_T_Median	0.30258	0.9505	0.29357	0.9346	0.24888	0.9842	0.30311	0.9603
n30_m15_S1_End_T_Mean	0.35102	0.9174	0.29467	0.8468	0.27569	0.9868	0.34365	0.9295
n30_m15_S1_End_T_Median	0.35744	0.9189	0.29735	0.8502	0.27807	0.9862	0.34884	0.9328
n30_m15_S2_Begin_T_Mean	0.30583	0.9852	0.29669	0.9798	0.24685	0.9955	0.30952	0.9906
n30_m15_S2_Begin_T_Median	0.30534	0.9836	0.29592	0.9804	0.24661	0.9942	0.30913	0.9904
n30_m15_S3_Middle_T_Mean	0.31629	0.9840	0.30784	0.9814	0.25283	0.9948	0.31538	0.9902
n30_m15_S3_Middle_T_Median	0.31597	0.9829	0.30741	0.9793	0.25283	0.9934	0.31516	0.9885
n30_m15_S4_Uniform_T_Mean	0.34840	0.9923	0.31170	0.9776	0.26420	0.9968	0.34472	0.9950
n30_m15_S4_Uniform_T_Median	0.34852	0.9911	0.31134	0.9782	0.26429	0.9962	0.34487	0.9949
n30_m24_S1_End_T_Mean	0.25467	0.9297	0.23917	0.8879	0.22190	0.9729	0.25422	0.9398
n30_m24_S1_End_T_Median	0.25471	0.9283	0.23895	0.8776	0.22196	0.9722	0.25428	0.9370
n30_m24_S2_Begin_T_Mean	0.24560	0.9604	0.24049	0.9525	0.21378	0.9843	0.24515	0.9670
n30_m24_S2_Begin_T_Median	0.24536	0.9554	0.24018	0.9448	0.21363	0.9794	0.24486	0.9605
n30_m24_S3_Middle_T_Mean	0.24852	0.9580	0.24410	0.9491	0.21531	0.9798	0.24700	0.9627
n30_m24_S3_Middle_T_Median	0.24891	0.9613	0.24453	0.9541	0.21549	0.9815	0.24732	0.9679
n30_m24_S4_Uniform_T_Mean	0.24611	0.9579	0.23940	0.9478	0.21385	0.9807	0.24557	0.9656
n30_m24_S4_Uniform_T_Median	0.24628	0.9602	0.23973	0.9508	0.21399	0.9811	0.24569	0.9653
n50_m25_S1_End_T_Mean	0.27444	0.9294	0.22956	0.8429	0.23312	0.9757	0.27048	0.9366
n50_m25_S1_End_T_Median	0.27762	0.9331	0.23066	0.8503	0.23475	0.9770	0.27330	0.9405
n50_m25_S2_Begin_T_Mean	0.23416	0.9873	0.22866	0.9843	0.20362	0.9926	0.23496	0.9909
n50_m25_S2_Begin_T_Median	0.23400	0.9865	0.22853	0.9838	0.20347	0.9931	0.23480	0.9903
n50_m25_S3_Middle_T_Mean	0.24254	0.9870	0.23529	0.9837	0.20954	0.9923	0.24114	0.9894
n50_m25_S3_Middle_T_Median	0.24257	0.9858	0.23489	0.9821	0.20952	0.9915	0.24119	0.9883
n50_m25_S4_Uniform_T_Mean	0.26611	0.9943	0.24025	0.9843	0.22135	0.9956	0.26387	0.9956
n50_m25_S4_Uniform_T_Median	0.26607	0.9938	0.24026	0.9856	0.22131	0.9960	0.26392	0.9953
n50_m40_S1_End_T_Mean	0.19673	0.9361	0.18486	0.8866	0.17986	0.9596	0.19592	0.9400
n50_m40_S1_End_T_Median	0.19674	0.9396	0.18485	0.8962	0.17977	0.9639	0.19596	0.9422
n50_m40_S2_Begin_T_Mean	0.19008	0.9631	0.18714	0.9557	0.17355	0.9746	0.18912	0.9641
n50_m40_S2_Begin_T_Median	0.19002	0.9656	0.18712	0.9584	0.17351	0.9782	0.18905	0.9684
n50_m40_S3_Middle_T_Mean	0.19183	0.9605	0.18838	0.9545	0.17461	0.9741	0.19047	0.9632
n50_m40_S3_Middle_T_Median	0.19196	0.9649	0.18828	0.9570	0.17472	0.9766	0.19061	0.9668
n50_m40_S4_Uniform_T_Mean	0.19024	0.9628	0.18560	0.9527	0.17355	0.9745	0.18932	0.9644
n50_m40_S4_Uniform_T_Median	0.19014	0.9629	0.18585	0.9555	0.17341	0.9758	0.18918	0.9662
n100_m50_S1_End_T_Mean	0.19542	0.9414	0.16211	0.8349	0.17800	0.9643	0.19342	0.9444
n100_m50_S1_End_T_Median	0.19630	0.9367	0.16238	0.8305	0.17863	0.9618	0.19417	0.9411
n100_m50_S2_Begin_T_Mean	0.16443	0.9890	0.16162	0.9850	0.15198	0.9904	0.16392	0.9896
n100_m50_S2_Begin_T_Median	0.16432	0.9892	0.16165	0.9862	0.15197	0.9906	0.16370	0.9899
n100_m50_S3_Middle_T_Mean	0.17061	0.9903	0.16486	0.9864	0.15717	0.9925	0.16923	0.9914
n100_m50_S3_Middle_T_Median	0.17062	0.9903	0.16476	0.9830	0.15710	0.9923	0.16922	0.9900
n100_m50_S4_Uniform_T_Mean	0.18619	0.9956	0.16950	0.9899	0.16775	0.9963	0.18450	0.9961
n100_m50_S4_Uniform_T_Median	0.18601	0.9949	0.16941	0.9891	0.16768	0.9951	0.18429	0.9949
n100_m80_S1_End_T_Mean	0.13882	0.9429	0.13015	0.8907	0.13193	0.9541	0.13791	0.9446
n100_m80_S1_End_T_Median	0.13882	0.9426	0.13062	0.8956	0.13187	0.9551	0.13793	0.9440
n100_m80_S2_Begin_T_Mean	0.13420	0.9671	0.13299	0.9616	0.12729	0.9727	0.13319	0.9666
n100_m80_S2_Begin_T_Median	0.13425	0.9652	0.13249	0.9590	0.12741	0.9711	0.13318	0.9670
n100_m80_S3_Middle_T_Mean	0.13534	0.9668	0.13290	0.9583	0.12821	0.9716	0.13415	0.9662
n100_m80_S3_Middle_T_Median	0.13537	0.9671	0.13262	0.9595	0.12824	0.9718	0.13414	0.9660
n100_m80_S4_Uniform_T_Mean	0.13414	0.9675	0.13179	0.9611	0.12725	0.9722	0.13315	0.9680
n100_m80_S4_Uniform_T_Median	0.13419	0.9675	0.13156	0.9623	0.12732	0.9727	0.13317	0.9671

Table: Average Interval Widths and Coverage Probabilities for $R = 0.5$

Setup	MLE		MPS		Bayes(IP)		Bayes(NIP)	
	Width	Coverage	Width	Coverage	Width	Coverage	Width	Coverage
n20.m10.S1.End.T.Mean	0.43476	0.8974	0.36251	0.8231	0.31964	0.9938	0.42083	0.9212
n20.m10.S1.End.T.Median	0.44407	0.8963	0.36806	0.8454	0.32265	0.9945	0.42729	0.9177
n20.m10.S2.Begin.T.Mean	0.39794	0.9826	0.38352	0.9771	0.29515	0.9955	0.40401	0.9902
n20.m10.S2.Begin.T.Median	0.39768	0.9805	0.38314	0.9753	0.29497	0.9965	0.40374	0.9905
n20.m10.S3.Middle.T.Mean	0.41509	0.9803	0.41050	0.9797	0.30286	0.9975	0.41061	0.9887
n20.m10.S3.Middle.T.Median	0.41538	0.9822	0.41011	0.9818	0.30307	0.9974	0.41081	0.9911
n20.m10.S4.Uniform.T.Mean	0.45466	0.9859	0.40265	0.9658	0.31213	0.9971	0.44261	0.9933
n20.m10.S4.Uniform.T.Median	0.45488	0.9849	0.40256	0.9628	0.31221	0.9966	0.44281	0.9919
n20.m16.S1.End.T.Mean	0.32633	0.9197	0.30575	0.8815	0.26930	0.9831	0.32516	0.9355
n20.m16.S1.End.T.Median	0.32657	0.9157	0.30485	0.8681	0.26973	0.9818	0.32551	0.9325
n20.m16.S2.Begin.T.Mean	0.31620	0.9534	0.30813	0.9425	0.26041	0.9885	0.31546	0.9649
n20.m16.S2.Begin.T.Median	0.31609	0.9515	0.30949	0.9405	0.26035	0.9866	0.31525	0.9632
n20.m16.S3.Middle.T.Mean	0.32116	0.9546	0.31559	0.9459	0.26236	0.9875	0.31841	0.9640
n20.m16.S3.Middle.T.Median	0.32108	0.9563	0.31583	0.9472	0.26235	0.9876	0.31824	0.9646
n20.m16.S4.Uniform.T.Mean	0.31697	0.9521	0.30747	0.9362	0.26044	0.9845	0.31606	0.9610
n20.m16.S4.Uniform.T.Median	0.31708	0.9528	0.30756	0.9392	0.26061	0.9878	0.31609	0.9634
n30.m15.S1.End.T.Mean	0.36108	0.9077	0.29988	0.8227	0.28606	0.9844	0.35263	0.9250
n30.m15.S1.End.T.Median	0.36786	0.9174	0.30580	0.8543	0.28873	0.9879	0.35822	0.9303
n30.m15.S2.Begin.T.Mean	0.32043	0.9838	0.31069	0.9787	0.25823	0.9938	0.32282	0.9899
n30.m15.S2.Begin.T.Median	0.32041	0.9839	0.31069	0.9794	0.25818	0.9946	0.32273	0.9894
n30.m15.S3.Middle.T.Mean	0.33163	0.9849	0.32305	0.9842	0.26468	0.9947	0.32907	0.9889
n30.m15.S3.Middle.T.Median	0.33165	0.9844	0.32287	0.9798	0.26470	0.9931	0.32907	0.9885
n30.m15.S4.Uniform.T.Mean	0.36532	0.9906	0.32658	0.9763	0.27650	0.9961	0.35936	0.9945
n30.m15.S4.Uniform.T.Median	0.36513	0.9922	0.32644	0.9759	0.27649	0.9968	0.35920	0.9953
n30.m24.S1.End.T.Mean	0.26669	0.9344	0.24995	0.8908	0.23217	0.9744	0.26540	0.9432
n30.m24.S1.End.T.Median	0.26678	0.9277	0.24965	0.8789	0.23244	0.9750	0.26557	0.9387
n30.m24.S2.Begin.T.Mean	0.25774	0.9582	0.25235	0.9491	0.22411	0.9819	0.25647	0.9652
n30.m24.S2.Begin.T.Median	0.25795	0.9600	0.25275	0.9485	0.22420	0.9816	0.25660	0.9655
n30.m24.S3.Middle.T.Mean	0.26114	0.9580	0.25610	0.9489	0.22579	0.9793	0.25876	0.9632
n30.m24.S3.Middle.T.Median	0.26105	0.9629	0.25592	0.9534	0.22572	0.9823	0.25867	0.9680
n30.m24.S4.Uniform.T.Mean	0.25835	0.9607	0.25139	0.9512	0.22427	0.9821	0.25694	0.9660
n30.m24.S4.Uniform.T.Median	0.25815	0.9569	0.25122	0.9476	0.22412	0.9807	0.25676	0.9639
n50.m25.S1.End.T.Mean	0.28468	0.9289	0.23642	0.8288	0.24242	0.9747	0.27996	0.9379
n50.m25.S1.End.T.Median	0.28804	0.9331	0.23918	0.8543	0.24429	0.9766	0.28291	0.9385
n50.m25.S2.Begin.T.Mean	0.24586	0.9872	0.24029	0.9846	0.21349	0.9923	0.24602	0.9894
n50.m25.S2.Begin.T.Median	0.24601	0.9886	0.24034	0.9865	0.21354	0.9940	0.24612	0.9914
n50.m25.S3.Middle.T.Mean	0.25469	0.9893	0.24691	0.9864	0.21964	0.9944	0.25249	0.9911
n50.m25.S3.Middle.T.Median	0.25453	0.9856	0.24648	0.9812	0.21953	0.9912	0.25223	0.9877
n50.m25.S4.Uniform.T.Mean	0.27939	0.9954	0.25218	0.9867	0.23194	0.9966	0.27606	0.9966
n50.m25.S4.Uniform.T.Median	0.27928	0.9932	0.25212	0.9830	0.23196	0.9954	0.27588	0.9946
n50.m40.S1.End.T.Mean	0.20644	0.9328	0.19383	0.8881	0.18864	0.9599	0.20532	0.9366
n50.m40.S1.End.T.Median	0.20645	0.9341	0.19393	0.8877	0.18851	0.9597	0.20530	0.9380
n50.m40.S2.Begin.T.Mean	0.19966	0.9652	0.19646	0.9581	0.18209	0.9772	0.19831	0.9675
n50.m40.S2.Begin.T.Median	0.19961	0.9657	0.19677	0.9579	0.18206	0.9759	0.19820	0.9681
n50.m40.S3.Middle.T.Mean	0.20167	0.9659	0.19794	0.9579	0.18340	0.9773	0.19982	0.9672
n50.m40.S3.Middle.T.Median	0.20167	0.9645	0.19869	0.9575	0.18342	0.9751	0.19984	0.9660
n50.m40.S4.Uniform.T.Mean	0.19969	0.9603	0.19511	0.9510	0.18197	0.9740	0.19830	0.9625
n50.m40.S4.Uniform.T.Median	0.19980	0.9627	0.19500	0.9550	0.18204	0.9750	0.19847	0.9647
n100.m50.S1.End.T.Mean	0.20391	0.9403	0.16803	0.8233	0.18583	0.9640	0.20148	0.9433
n100.m50.S1.End.T.Median	0.20520	0.9372	0.16909	0.8448	0.18671	0.9584	0.20268	0.9397
n100.m50.S2.Begin.T.Mean	0.17285	0.9903	0.17015	0.9884	0.15964	0.9921	0.17203	0.9910
n100.m50.S2.Begin.T.Median	0.17285	0.9895	0.17028	0.9865	0.15960	0.9907	0.17198	0.9899
n100.m50.S3.Middle.T.Mean	0.17936	0.9895	0.17305	0.9837	0.16497	0.9906	0.17763	0.9894
n100.m50.S3.Middle.T.Median	0.17935	0.9884	0.17321	0.9819	0.16498	0.9901	0.17763	0.9881
n100.m50.S4.Uniform.T.Mean	0.19575	0.9956	0.17826	0.9907	0.17609	0.9962	0.19370	0.9955
n100.m50.S4.Uniform.T.Median	0.19572	0.9960	0.17821	0.9902	0.17611	0.9962	0.19365	0.9960
n100.m80.S1.End.T.Mean	0.14599	0.9469	0.13681	0.8978	0.13858	0.9584	0.14490	0.9476
n100.m80.S1.End.T.Median	0.14596	0.9444	0.13701	0.8976	0.13857	0.9552	0.14489	0.9455
n100.m80.S2.Begin.T.Mean	0.14118	0.9669	0.13960	0.9599	0.13391	0.9715	0.13999	0.9658
n100.m80.S2.Begin.T.Median	0.14116	0.9665	0.13937	0.9577	0.13388	0.9725	0.13997	0.9670
n100.m80.S3.Middle.T.Mean	0.14233	0.9696	0.13990	0.9591	0.13477	0.9734	0.14094	0.9695
n100.m80.S3.Middle.T.Median	0.14231	0.9685	0.13942	0.9577	0.13475	0.9739	0.14100	0.9671
n100.m80.S4.Uniform.T.Mean	0.14114	0.9691	0.13803	0.9623	0.13376	0.9744	0.13992	0.9699
n100.m80.S4.Uniform.T.Median	0.14111	0.9682	0.13815	0.9606	0.13379	0.9725	0.13987	0.9681

Table: Average Interval Widths and Coverage Probabilities for $R = 0.7$

Setup	MLE		MPS		Bayes(IP)		Bayes(NIP)	
	Width	Coverage	Width	Coverage	Width	Coverage	Width	Coverage
n20_m10_S1_End_T_Mean	0.36205	0.9023	0.30556	0.8256	0.26448	0.9936	0.35963	0.9253
n20_m10_S1_End_T_Median	0.36523	0.9090	0.31053	0.8431	0.26549	0.9938	0.36189	0.9307
n20_m10_S2_Begin_T_Mean	0.32601	0.9776	0.31745	0.9867	0.24339	0.9952	0.33972	0.9877
n20_m10_S2_Begin_T_Median	0.32704	0.9824	0.31632	0.9824	0.24384	0.9959	0.34128	0.9921
n20_m10_S3_Middle_T_Mean	0.34061	0.9778	0.34331	0.9917	0.25004	0.9960	0.34636	0.9867
n20_m10_S3_Middle_T_Median	0.34220	0.9820	0.34007	0.9887	0.25078	0.9962	0.34837	0.9891
n20_m10_S4_Uniform_T_Mean	0.37314	0.9859	0.35066	0.9796	0.25837	0.9974	0.37340	0.9924
n20_m10_S4_Uniform_T_Median	0.37580	0.9885	0.34182	0.9839	0.25879	0.9981	0.37717	0.9937
n20_m16_S1_End_T_Mean	0.26434	0.9272	0.25942	0.9001	0.21906	0.9816	0.26714	0.9401
n20_m16_S1_End_T_Median	0.26818	0.9298	0.26036	0.9001	0.22110	0.9835	0.27100	0.9440
n20_m16_S2_Begin_T_Mean	0.25944	0.9567	0.25670	0.9639	0.21428	0.9875	0.26324	0.9672
n20_m16_S2_Begin_T_Median	0.25960	0.9523	0.25418	0.9471	0.21445	0.9871	0.26337	0.9637
n20_m16_S3_Middle_T_Mean	0.26347	0.9568	0.26271	0.9657	0.21603	0.9864	0.26571	0.9653
n20_m16_S3_Middle_T_Median	0.26338	0.9588	0.25954	0.9567	0.21596	0.9887	0.26592	0.9676
n20_m16_S4_Uniform_T_Mean	0.25965	0.9526	0.25544	0.9604	0.21412	0.9861	0.26335	0.9636
n20_m16_S4_Uniform_T_Median	0.26012	0.9534	0.25328	0.9481	0.21445	0.9855	0.26386	0.9636
n30_m15_S1_End_T_Mean	0.29920	0.9193	0.25163	0.8370	0.23629	0.9889	0.29793	0.9345
n30_m15_S1_End_T_Median	0.29958	0.9113	0.25273	0.8355	0.23642	0.9845	0.29806	0.9271
n30_m15_S2_Begin_T_Mean	0.26124	0.9845	0.25426	0.9871	0.21203	0.9945	0.26804	0.9905
n30_m15_S2_Begin_T_Median	0.26200	0.9877	0.25405	0.9831	0.21246	0.9960	0.26889	0.9936
n30_m15_S3_Middle_T_Mean	0.27071	0.9837	0.26480	0.9899	0.21768	0.9934	0.27385	0.9880
n30_m15_S3_Middle_T_Median	0.27064	0.9870	0.26328	0.9866	0.21759	0.9955	0.27366	0.9913
n30_m15_S4_Uniform_T_Mean	0.29832	0.9917	0.27535	0.9912	0.22775	0.9977	0.29980	0.9951
n30_m15_S4_Uniform_T_Median	0.29863	0.9901	0.26903	0.9862	0.22791	0.9966	0.30037	0.9942
n30_m24_S1_End_T_Mean	0.21591	0.9368	0.20946	0.8959	0.18888	0.9746	0.21720	0.9443
n30_m24_S1_End_T_Median	0.21732	0.9356	0.20891	0.9053	0.18964	0.9719	0.21857	0.9435
n30_m24_S2_Begin_T_Mean	0.21015	0.9627	0.20701	0.9626	0.18354	0.9828	0.21150	0.9690
n30_m24_S2_Begin_T_Median	0.21060	0.9634	0.20652	0.9549	0.18389	0.9835	0.21215	0.9693
n30_m24_S3_Middle_T_Mean	0.21304	0.9636	0.21026	0.9656	0.18516	0.9835	0.21360	0.9697
n30_m24_S3_Middle_T_Median	0.21279	0.9598	0.20902	0.9527	0.18497	0.9820	0.21344	0.9663
n30_m24_S4_Uniform_T_Mean	0.21083	0.9609	0.20614	0.9569	0.18385	0.9792	0.21212	0.9657
n30_m24_S4_Uniform_T_Median	0.21049	0.9604	0.20505	0.9527	0.18364	0.9825	0.21188	0.9670
n50_m25_S1_End_T_Mean	0.23330	0.9336	0.19407	0.8394	0.19906	0.9789	0.23244	0.9420
n50_m25_S1_End_T_Median	0.23468	0.9316	0.19681	0.8467	0.19998	0.9743	0.23372	0.9381
n50_m25_S2_Begin_T_Mean	0.19961	0.9850	0.19499	0.9839	0.17433	0.9906	0.20200	0.9887
n50_m25_S2_Begin_T_Median	0.19943	0.9878	0.19504	0.9844	0.17429	0.9939	0.20179	0.9921
n50_m25_S3_Middle_T_Mean	0.20665	0.9868	0.20033	0.9862	0.17948	0.9936	0.20718	0.9894
n50_m25_S3_Middle_T_Median	0.20703	0.9859	0.20071	0.9837	0.17968	0.9924	0.20767	0.9893
n50_m25_S4_Uniform_T_Mean	0.22708	0.9940	0.20648	0.9928	0.18995	0.9959	0.22751	0.9957
n50_m25_S4_Uniform_T_Median	0.22721	0.9936	0.20519	0.9884	0.19013	0.9958	0.22763	0.9952
n50_m40_S1_End_T_Mean	0.16672	0.9387	0.16054	0.8984	0.15293	0.9634	0.16687	0.9438
n50_m40_S1_End_T_Median	0.16726	0.9409	0.16030	0.9063	0.15333	0.9649	0.16744	0.9434
n50_m40_S2_Begin_T_Mean	0.16205	0.9644	0.15956	0.9588	0.14840	0.9749	0.16217	0.9666
n50_m40_S2_Begin_T_Median	0.16212	0.9652	0.15972	0.9593	0.14847	0.9766	0.16219	0.9681
n50_m40_S3_Middle_T_Mean	0.16375	0.9692	0.16084	0.9632	0.14950	0.9806	0.16349	0.9708
n50_m40_S3_Middle_T_Median	0.16373	0.9663	0.16094	0.9602	0.14955	0.9773	0.16345	0.9694
n50_m40_S4_Uniform_T_Mean	0.16219	0.9626	0.15860	0.9552	0.14840	0.9733	0.16218	0.9649
n50_m40_S4_Uniform_T_Median	0.16199	0.9617	0.15834	0.9530	0.14831	0.9756	0.16205	0.9658
n100_m50_S1_End_T_Mean	0.16565	0.9389	0.13680	0.8244	0.15150	0.9651	0.16487	0.9418
n100_m50_S1_End_T_Median	0.16612	0.9445	0.13829	0.8459	0.15182	0.9644	0.16532	0.9458
n100_m50_S2_Begin_T_Mean	0.13981	0.9896	0.13774	0.9871	0.12969	0.9927	0.13984	0.9908
n100_m50_S2_Begin_T_Median	0.13976	0.9881	0.13746	0.9841	0.12964	0.9900	0.13987	0.9895
n100_m50_S3_Middle_T_Mean	0.14507	0.9889	0.14018	0.9852	0.13408	0.9914	0.14449	0.9897
n100_m50_S3_Middle_T_Median	0.14503	0.9899	0.14025	0.9861	0.13404	0.9913	0.14448	0.9899
n100_m50_S4_Uniform_T_Mean	0.15830	0.9969	0.14420	0.9907	0.14317	0.9967	0.15774	0.9973
n100_m50_S4_Uniform_T_Median	0.15834	0.9958	0.14419	0.9897	0.14322	0.9964	0.15766	0.9963
n100_m80_S1_End_T_Mean	0.11761	0.9444	0.11245	0.8999	0.11201	0.9569	0.11716	0.9456
n100_m80_S1_End_T_Median	0.11790	0.9453	0.11155	0.9008	0.11225	0.9550	0.11744	0.9441
n100_m80_S2_Begin_T_Mean	0.11410	0.9685	0.11265	0.9621	0.10846	0.9730	0.11354	0.9670
n100_m80_S2_Begin_T_Median	0.11410	0.9672	0.11312	0.9608	0.10854	0.9727	0.11357	0.9677
n100_m80_S3_Middle_T_Mean	0.11507	0.9686	0.11300	0.9584	0.10925	0.9728	0.11433	0.9693
n100_m80_S3_Middle_T_Median	0.11508	0.9666	0.11323	0.9599	0.10929	0.9707	0.11440	0.9664
n100_m80_S4_Uniform_T_Mean	0.11408	0.9690	0.11170	0.9627	0.10845	0.9734	0.11348	0.9686
n100_m80_S4_Uniform_T_Median	0.11413	0.9694	0.11167	0.9626	0.10848	0.9755	0.11356	0.9703