

# Evaluation of Causal Structure Learning Methods on Mixed Data Types

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**Editor:**

## 1. Supplementary Material

Table 1: Comparison of Algorithms on all continuous datasets with 50 variables.

Algorithm,	Sample Size,	Alpha/Penalty,	AP,	AR,	AHP,	AHR,	SHD
CPC	100	1.00E-04	0.939	0.366	0.917	0.035	123.700
CPC	100	0.001	0.931	0.411	0.926	0.059	119.450
CPC	100	0.01	0.899	0.481	0.934	0.114	113.700
CPC	100	0.03	0.881	0.525	0.900	0.136	111.800
CPC	100	0.05	0.860	0.544	0.897	0.160	111.400
CPC	100	0.08	0.833	0.567	0.865	0.180	112.350
CPC	100	0.1	0.806	0.573	0.833	0.185	115.500
PCMax	100	1.00E-04	0.923	0.375	0.714	0.073	122.350
PCMax	100	0.001	0.906	0.425	0.728	0.124	117.500
PCMax	100	0.01	0.870	0.493	0.657	0.210	113.450
PCMax	100	0.03	0.849	0.538	0.607	0.262	112.600
PCMax	100	0.05	0.821	0.556	0.577	0.290	113.800
PCMax	100	0.08	0.793	0.581	0.570	0.341	114.100
PCMax	100	0.1	0.767	0.588	0.548	0.343	117.700
PCStable	100	1.00E-04	0.939	0.366	0.536	0.136	123.600
PCStable	100	0.001	0.931	0.411	0.544	0.195	119.500
PCStable	100	0.01	0.899	0.481	0.546	0.278	114.000
PCStable	100	0.03	0.881	0.525	0.534	0.321	112.200

PCStable	100	0.05	0.860	0.544	0.524	0.353	112.250
PCStable	100	0.08	0.833	0.567	0.501	0.387	113.850
PCStable	100	0.1	0.806	0.573	0.482	0.406	116.500
FGES	100	0.5	0.731	0.714	0.590	0.519	106.150
FGES	100	1	0.801	0.666	0.654	0.463	97.500
FGES	100	2	0.850	0.562	0.672	0.337	103.650
FGES	100	4	0.876	0.427	0.647	0.146	120.550
FGES	100	8	0.906	0.281	0.732	0.050	130.750
FGES	100	10	0.912	0.220	0.813	0.017	135.750
FGES	100	20	0.957	0.050	NaN	0.000	146.750
CPC	1000	1.00E-04	0.951	0.711	0.912	0.368	75.800
CPC	1000	0.001	0.947	0.724	0.903	0.399	73.350
CPC	1000	0.01	0.937	0.747	0.885	0.441	70.400
CPC	1000	0.03	0.933	0.761	0.883	0.465	68.400
CPC	1000	0.05	0.925	0.771	0.880	0.483	67.250
CPC	1000	0.08	0.906	0.781	0.876	0.497	68.600
CPC	1000	0.1	0.885	0.785	0.860	0.501	71.400
PCMax	1000	1.00E-04	0.931	0.721	0.808	0.501	71.350
PCMax	1000	0.001	0.925	0.733	0.793	0.525	70.450
PCMax	1000	0.01	0.907	0.757	0.774	0.547	70.100
PCMax	1000	0.03	0.901	0.773	0.777	0.569	68.450
PCMax	1000	0.05	0.888	0.781	0.790	0.590	66.950
PCMax	1000	0.08	0.866	0.793	0.745	0.599	71.100
PCMax	1000	0.1	0.854	0.796	0.733	0.594	73.100
PCStable	1000	1.00E-04	0.951	0.711	0.632	0.553	80.700
PCStable	1000	0.001	0.947	0.724	0.636	0.558	79.050
PCStable	1000	0.01	0.937	0.747	0.647	0.594	75.300
PCStable	1000	0.03	0.933	0.761	0.650	0.619	73.400
PCStable	1000	0.05	0.925	0.771	0.644	0.643	72.700
PCStable	1000	0.08	0.906	0.781	0.620	0.664	74.900
PCStable	1000	0.1	0.885	0.785	0.598	0.670	77.950
FGES	1000	0.5	0.744	0.885	0.645	0.687	85.500
FGES	1000	1	0.764	0.876	0.668	0.677	80.800
FGES	1000	2	0.784	0.857	0.686	0.657	78.050
FGES	1000	4	0.813	0.813	0.714	0.620	76.000
FGES	1000	8	0.863	0.730	0.756	0.525	77.850
FGES	1000	10	0.876	0.682	0.745	0.459	83.950
FGES	1000	20	0.928	0.533	0.771	0.237	101.700
CPC	3000	1.00E-04	0.972	0.799	0.967	0.516	55.300
CPC	3000	0.001	0.972	0.807	0.965	0.534	53.550
CPC	3000	0.01	0.964	0.828	0.944	0.571	50.650
CPC	3000	0.03	0.947	0.839	0.934	0.585	51.200
CPC	3000	0.05	0.936	0.840	0.926	0.587	52.550
CPC	3000	0.08	0.924	0.844	0.928	0.592	53.700
CPC	3000	0.1	0.914	0.845	0.927	0.595	55.050

# EVALUATION OF CAUSAL STRUCTURE LEARNING

PCMax	3000	1.00E-04	0.945	0.807	0.869	0.607	54.250
PCMax	3000	0.001	0.947	0.815	0.875	0.615	52.750
PCMax	3000	0.01	0.944	0.838	0.862	0.636	51.100
PCMax	3000	0.03	0.924	0.848	0.843	0.650	52.650
PCMax	3000	0.05	0.910	0.848	0.825	0.654	55.100
PCMax	3000	0.08	0.893	0.852	0.815	0.660	56.850
PCMax	3000	0.1	0.875	0.855	0.799	0.672	58.550
PCStable	3000	1.00E-04	0.972	0.799	0.671	0.615	67.800
PCStable	3000	0.001	0.972	0.807	0.680	0.630	65.750
PCStable	3000	0.01	0.964	0.828	0.668	0.657	64.350
PCStable	3000	0.03	0.947	0.839	0.654	0.669	65.650
PCStable	3000	0.05	0.936	0.840	0.649	0.675	66.200
PCStable	3000	0.08	0.924	0.844	0.640	0.686	67.300
PCStable	3000	0.1	0.914	0.845	0.621	0.690	69.750
FGES	3000	0.5	0.815	0.974	0.740	0.777	59.500
FGES	3000	1	0.844	0.971	0.769	0.774	52.500
FGES	3000	2	0.864	0.965	0.788	0.763	49.650
FGES	3000	4	0.880	0.948	0.806	0.749	47.600
FGES	3000	8	0.919	0.920	0.858	0.730	41.800
FGES	3000	10	0.922	0.898	0.859	0.705	44.500
FGES	3000	20	0.940	0.775	0.875	0.575	58.600
CPC	5000	1.00E-04	0.997	0.965	0.997	0.732	15.450
CPC	5000	0.001	0.996	0.968	0.997	0.737	15.150
CPC	5000	0.01	0.985	0.971	0.997	0.742	15.850
CPC	5000	0.03	0.952	0.973	0.997	0.743	19.200
CPC	5000	0.05	0.905	0.976	0.995	0.747	24.400
CPC	5000	0.08	0.834	0.977	0.990	0.748	33.600
CPC	5000	0.1	0.789	0.978	0.981	0.749	40.650
PCMax	5000	1.00E-04	0.995	0.965	0.974	0.763	14.850
PCMax	5000	0.001	0.994	0.969	0.972	0.765	14.750
PCMax	5000	0.01	0.983	0.972	0.965	0.769	15.550
PCMax	5000	0.03	0.946	0.973	0.929	0.761	20.250
PCMax	5000	0.05	0.894	0.976	0.864	0.763	27.100
PCMax	5000	0.08	0.828	0.977	0.791	0.758	36.650
PCMax	5000	0.1	0.778	0.978	0.727	0.767	44.600
PCStable	5000	1.00E-04	0.997	0.965	0.899	0.780	17.350
PCStable	5000	0.001	0.996	0.968	0.912	0.785	16.450
PCStable	5000	0.01	0.985	0.971	0.902	0.788	17.400
PCStable	5000	0.03	0.952	0.973	0.831	0.795	22.200
PCStable	5000	0.05	0.905	0.976	0.718	0.806	30.350
PCStable	5000	0.08	0.834	0.977	0.594	0.822	42.600
PCStable	5000	0.1	0.789	0.978	0.527	0.838	51.850
FGES	5000	0.5	0.963	0.999	0.953	0.811	14.100
FGES	5000	1	0.973	0.998	0.953	0.803	13.700
FGES	5000	2	0.975	0.997	0.954	0.802	13.600

FGES	5000	4	0.973	0.993	0.950	0.797	14.200
FGES	5000	8	0.971	0.983	0.946	0.784	15.650
FGES	5000	10	0.964	0.976	0.935	0.775	17.250
FGES	5000	20	0.967	0.941	0.927	0.729	21.200
CPC	10000	1.00E-04	0.960	0.809	0.913	0.589	52.100
CPC	10000	0.001	0.955	0.815	0.916	0.604	50.950
CPC	10000	0.01	0.941	0.825	0.907	0.618	51.250
CPC	10000	0.03	0.932	0.827	0.893	0.622	52.600
CPC	10000	0.05	0.912	0.833	0.879	0.631	54.950
CPC	10000	0.08	0.892	0.835	0.882	0.637	57.350
CPC	10000	0.1	0.876	0.836	0.881	0.640	59.550
PCMax	10000	1.00E-04	0.927	0.832	0.790	0.647	57.100
PCMax	10000	0.001	0.920	0.838	0.787	0.653	57.150
PCMax	10000	0.01	0.903	0.845	0.760	0.660	59.950
PCMax	10000	0.03	0.895	0.848	0.742	0.657	62.250
PCMax	10000	0.05	0.868	0.852	0.716	0.654	67.300
PCMax	10000	0.08	0.844	0.856	0.700	0.657	70.900
PCMax	10000	0.1	0.825	0.855	0.681	0.657	74.700
PCStable	10000	1.00E-04	0.960	0.809	0.638	0.701	67.350
PCStable	10000	0.001	0.955	0.815	0.633	0.703	67.700
PCStable	10000	0.01	0.941	0.825	0.623	0.715	68.500
PCStable	10000	0.03	0.932	0.827	0.621	0.722	68.900
PCStable	10000	0.05	0.912	0.833	0.604	0.729	71.850
PCStable	10000	0.08	0.892	0.835	0.585	0.736	75.300
PCStable	10000	0.1	0.876	0.836	0.569	0.737	78.000
FGES	10000	0.5	0.730	0.983	0.638	0.801	82.100
FGES	10000	1	0.740	0.979	0.645	0.795	79.550
FGES	10000	2	0.751	0.973	0.652	0.787	76.300
FGES	10000	4	0.766	0.966	0.665	0.781	72.950
FGES	10000	8	0.797	0.953	0.698	0.775	65.500
FGES	10000	10	0.816	0.949	0.718	0.773	61.750
FGES	10000	20	0.820	0.922	0.709	0.738	65.350

## STARS Averages

	Sample Size	AP,	AR,	AHP,	AHR,
CPC	100	0.806	0.573	0.833	0.185
CPC	1000	0.943	0.724	0.894	0.390
CPC	3000	0.961	0.813	0.957	0.543
CPC	5000	0.961	0.972	0.997	0.741
CPC	10000	0.938	0.825	0.904	0.617
PCMax	100	0.767	0.588	0.547	0.339
PCMax	1000	0.928	0.726	0.803	0.510
PCMax	3000	0.946	0.818	0.868	0.618
PCMax	5000	0.960	0.973	0.948	0.764

PCMax	10000	0.917	0.841	0.779	0.661
PCStable	100	0.806	0.573	0.482	0.406
PCStable	1000	0.946	0.723	0.635	0.560
PCStable	3000	0.966	0.814	0.668	0.640
PCStable	5000	0.957	0.973	0.843	0.793
PCStable	10000	0.943	0.822	0.627	0.714
FGES	100	0.957	0.050	NaN	0.000
FGES	1000	0.928	0.533	0.771	0.237
FGES	3000	0.940	0.775	0.875	0.575
FGES	5000	0.967	0.941	0.927	0.729
FGES	10000	0.819	0.923	0.708	0.739

Table 2: Comparison of Algorithms on all continuous datasets with 100 variables.

Algorithm,	Sample Size,	Alpha/Penalty,	AP,	AR,	AHP,	AHR,	SHD
CPC	100	1.00E-04	0.986	0.389	0.969	0.052	235.900
CPC	100	0.001	0.978	0.456	0.979	0.096	220.500
CPC	100	0.01	0.965	0.542	0.959	0.188	197.250
CPC	100	0.03	0.929	0.595	0.954	0.255	187.500
CPC	100	0.05	0.890	0.621	0.953	0.288	188.150
CPC	100	0.08	0.842	0.644	0.940	0.315	194.000
CPC	100	0.1	0.819	0.660	0.917	0.340	196.850
PCMax	100	1.00E-04	0.971	0.397	0.882	0.121	227.750
PCMax	100	0.001	0.971	0.464	0.857	0.187	210.300
PCMax	100	0.01	0.948	0.548	0.833	0.301	188.050
PCMax	100	0.03	0.909	0.601	0.763	0.353	185.250
PCMax	100	0.05	0.866	0.627	0.708	0.389	190.100
PCMax	100	0.08	0.812	0.651	0.651	0.423	200.200
PCMax	100	0.1	0.786	0.667	0.617	0.444	206.150
PCStable	100	1.00E-04	0.986	0.389	0.555	0.164	237.800
PCStable	100	0.001	0.978	0.456	0.576	0.240	224.000
PCStable	100	0.01	0.965	0.542	0.587	0.357	205.750
PCStable	100	0.03	0.929	0.595	0.549	0.428	203.200
PCStable	100	0.05	0.890	0.621	0.527	0.469	206.550
PCStable	100	0.08	0.842	0.644	0.476	0.504	217.550
PCStable	100	0.1	0.819	0.660	0.458	0.532	221.800
FGES	100	0.5	0.763	0.764	0.681	0.633	173.900
FGES	100	1	0.886	0.694	0.805	0.527	150.800
FGES	100	2	0.942	0.578	0.851	0.374	173.550
FGES	100	4	0.951	0.399	0.816	0.124	230.950
FGES	100	8	0.968	0.210	0.835	0.011	269.250
FGES	100	10	0.982	0.154	0.775	0.006	277.000
FGES	100	20	1.000	0.029	NaN	0.000	295.600
CPC	1000	1.00E-04	0.954	0.698	0.955	0.390	147.650

CPC	1000	0.001	0.952	0.726	0.952	0.435	137.750
CPC	1000	0.01	0.937	0.756	0.940	0.493	129.200
CPC	1000	0.03	0.910	0.770	0.935	0.520	130.500
CPC	1000	0.05	0.887	0.782	0.929	0.540	133.100
CPC	1000	0.08	0.843	0.787	0.915	0.547	145.550
CPC	1000	0.1	0.823	0.793	0.912	0.555	151.100
PCMax	1000	1.00E-04	0.931	0.705	0.853	0.512	139.300
PCMax	1000	0.001	0.927	0.735	0.840	0.546	132.750
PCMax	1000	0.01	0.911	0.769	0.833	0.583	127.750
PCMax	1000	0.03	0.880	0.783	0.796	0.595	134.800
PCMax	1000	0.05	0.856	0.792	0.776	0.608	139.750
PCMax	1000	0.08	0.814	0.798	0.722	0.620	153.600
PCMax	1000	0.1	0.792	0.803	0.690	0.621	163.600
PCStable	1000	1.00E-04	0.954	0.698	0.633	0.524	165.050
PCStable	1000	0.001	0.952	0.726	0.629	0.559	159.400
PCStable	1000	0.01	0.937	0.756	0.622	0.601	155.000
PCStable	1000	0.03	0.910	0.770	0.590	0.624	160.950
PCStable	1000	0.05	0.887	0.782	0.558	0.642	167.600
PCStable	1000	0.08	0.843	0.787	0.508	0.653	183.950
PCStable	1000	0.1	0.823	0.793	0.487	0.664	191.600
FGES	1000	0.5	0.798	0.923	0.742	0.777	123.600
FGES	1000	1	0.832	0.903	0.766	0.747	115.350
FGES	1000	2	0.849	0.875	0.780	0.714	116.100
FGES	1000	4	0.877	0.807	0.812	0.647	122.150
FGES	1000	8	0.898	0.695	0.819	0.523	147.150
FGES	1000	10	0.909	0.656	0.821	0.476	156.150
FGES	1000	20	0.930	0.505	0.817	0.263	200.550
CPC	3000	1.00E-04	0.960	0.803	0.935	0.539	110.900
CPC	3000	0.001	0.962	0.818	0.936	0.569	103.750
CPC	3000	0.01	0.957	0.835	0.929	0.596	98.850
CPC	3000	0.03	0.933	0.839	0.918	0.601	104.450
CPC	3000	0.05	0.909	0.841	0.906	0.607	110.800
CPC	3000	0.08	0.878	0.844	0.897	0.609	120.650
CPC	3000	0.1	0.853	0.847	0.889	0.614	128.250
PCMax	3000	1.00E-04	0.940	0.816	0.828	0.605	114.000
PCMax	3000	0.001	0.939	0.830	0.820	0.624	110.750
PCMax	3000	0.01	0.933	0.843	0.826	0.644	107.250
PCMax	3000	0.03	0.905	0.849	0.795	0.651	115.000
PCMax	3000	0.05	0.885	0.852	0.785	0.663	119.200
PCMax	3000	0.08	0.849	0.857	0.746	0.667	131.750
PCMax	3000	0.1	0.819	0.859	0.705	0.663	144.950
PCStable	3000	1.00E-04	0.960	0.803	0.676	0.645	130.800
PCStable	3000	0.001	0.962	0.818	0.684	0.664	125.450
PCStable	3000	0.01	0.957	0.835	0.677	0.685	123.200

# EVALUATION OF CAUSAL STRUCTURE LEARNING

PCStable	3000	0.03	0.933	0.839	0.651	0.693	129.350
PCStable	3000	0.05	0.909	0.841	0.619	0.700	137.950
PCStable	3000	0.08	0.878	0.844	0.574	0.703	151.500
PCStable	3000	0.1	0.853	0.847	0.543	0.711	161.550
FGES	3000	0.5	0.839	0.984	0.766	0.803	100.800
FGES	3000	1	0.875	0.982	0.802	0.799	85.750
FGES	3000	2	0.883	0.977	0.809	0.794	83.650
FGES	3000	4	0.898	0.970	0.831	0.789	78.550
FGES	3000	8	0.916	0.946	0.850	0.762	78.200
FGES	3000	10	0.922	0.926	0.854	0.742	81.500
FGES	3000	20	0.931	0.813	0.865	0.621	109.100
CPC	5000	1.00E-04	0.998	0.975	0.991	0.607	42.450
CPC	5000	0.001	0.996	0.978	0.991	0.612	42.000
CPC	5000	0.01	0.975	0.982	0.993	0.619	45.050
CPC	5000	0.03	0.925	0.986	0.993	0.624	55.400
CPC	5000	0.05	0.859	0.988	0.986	0.625	71.850
CPC	5000	0.08	0.776	0.989	0.969	0.630	96.100
CPC	5000	0.1	0.725	0.990	0.955	0.632	114.300
PCMax	5000	1.00E-04	0.997	0.979	0.979	0.662	37.750
PCMax	5000	0.001	0.995	0.980	0.977	0.668	37.400
PCMax	5000	0.01	0.971	0.985	0.957	0.680	41.150
PCMax	5000	0.03	0.919	0.987	0.894	0.684	53.450
PCMax	5000	0.05	0.847	0.988	0.786	0.689	73.750
PCMax	5000	0.08	0.760	0.989	0.673	0.709	101.350
PCMax	5000	0.1	0.704	0.989	0.605	0.722	122.450
PCStable	5000	1.00E-04	0.998	0.975	0.873	0.684	44.150
PCStable	5000	0.001	0.996	0.978	0.886	0.691	42.350
PCStable	5000	0.01	0.975	0.982	0.858	0.704	45.500
PCStable	5000	0.03	0.925	0.986	0.747	0.726	58.450
PCStable	5000	0.05	0.859	0.988	0.614	0.747	80.300
PCStable	5000	0.08	0.776	0.989	0.487	0.779	111.700
PCStable	5000	0.1	0.725	0.990	0.424	0.796	134.900
FGES	5000	0.5	0.954	1.000	0.937	0.722	39.500
FGES	5000	1	0.992	1.000	0.987	0.707	31.550
FGES	5000	2	0.993	1.000	0.987	0.707	31.350
FGES	5000	4	0.989	0.999	0.980	0.703	32.800
FGES	5000	8	0.983	0.988	0.963	0.687	37.150
FGES	5000	10	0.981	0.983	0.959	0.683	38.550
FGES	5000	20	0.980	0.937	0.952	0.634	48.250
CPC	10000	1.00E-04	0.981	0.916	0.966	0.718	61.500
CPC	10000	0.001	0.980	0.919	0.963	0.724	60.750
CPC	10000	0.01	0.973	0.925	0.963	0.732	60.650
CPC	10000	0.03	0.953	0.929	0.960	0.736	65.350

CPC	10000	0.05	0.933	0.931	0.955	0.737	71.350
CPC	10000	0.08	0.907	0.933	0.954	0.740	79.200
CPC	10000	0.1	0.882	0.934	0.947	0.742	88.100
PCMax	10000	1.00E-04	0.964	0.920	0.893	0.725	71.700
PCMax	10000	0.001	0.963	0.926	0.897	0.731	69.750
PCMax	10000	0.01	0.955	0.933	0.895	0.737	69.950
PCMax	10000	0.03	0.934	0.939	0.874	0.741	75.950
PCMax	10000	0.05	0.912	0.940	0.853	0.747	82.700
PCMax	10000	0.08	0.881	0.942	0.817	0.755	92.950
PCMax	10000	0.1	0.854	0.942	0.786	0.760	102.900
PCStable	10000	1.00E-04	0.981	0.916	0.738	0.755	90.750
PCStable	10000	0.001	0.980	0.919	0.748	0.754	88.350
PCStable	10000	0.01	0.973	0.925	0.743	0.762	88.600
PCStable	10000	0.03	0.953	0.929	0.711	0.772	94.850
PCStable	10000	0.05	0.933	0.931	0.675	0.781	103.350
PCStable	10000	0.08	0.907	0.933	0.631	0.787	115.600
PCStable	10000	0.1	0.882	0.934	0.592	0.794	127.400
FGES	10000	0.5	0.902	0.994	0.874	0.818	64.850
FGES	10000	1	0.926	0.995	0.895	0.811	57.150
FGES	10000	2	0.925	0.995	0.891	0.808	58.550
FGES	10000	4	0.935	0.995	0.902	0.807	55.400
FGES	10000	8	0.942	0.986	0.913	0.799	54.500
FGES	10000	10	0.950	0.979	0.925	0.792	53.400
FGES	10000	20	0.957	0.950	0.928	0.765	59.200

## STARS Averages

	Sample Size	AP,	AR,	AHP,	AHR,
CPC	100	0.819	0.660	0.917	0.340
CPC	1000	0.921	0.766	0.938	0.512
CPC	3000	0.920	0.840	0.912	0.605
CPC	5000	0.925	0.986	0.993	0.624
CPC	10000	0.933	0.932	0.957	0.737
PCMax	100	0.786	0.667	0.617	0.444
PCMax	1000	0.916	0.764	0.836	0.575
PCMax	3000	0.913	0.845	0.804	0.650
PCMax	5000	0.919	0.987	0.894	0.684
PCMax	10000	0.919	0.939	0.860	0.742
PCStable	100	0.819	0.660	0.458	0.532
PCStable	1000	0.922	0.766	0.603	0.615
PCStable	3000	0.922	0.839	0.634	0.692
PCStable	5000	0.921	0.986	0.740	0.728
PCStable	10000	0.932	0.932	0.671	0.783
FGES	100	1.000	0.029	NaN	0.000
FGES	1000	0.930	0.505	0.817	0.263
FGES	3000	0.931	0.813	0.865	0.621



FGES	5000	0.980	0.937	0.952	0.634
FGES	10000	0.957	0.950	0.928	0.765

Table 3: All data for comparison of independence tests split by edge type with 50 and 100 variable, 1.5 density graphs generated using the Lee and Hastie method.

Algorithm	Num Vars	SS	Type	Parameter	AP	AR	AHP	AHR	SHD
FisherZ	50	100	CC	1.00E-04	0.992	0.663	0.778	0.056	22.350
FisherZ	50	100	CC	0.001	0.993	0.719	0.909	0.091	20.600
FisherZ	50	100	CC	0.01	0.936	0.792	0.961	0.176	18.700
FisherZ	50	100	CC	0.03	0.860	0.816	0.954	0.217	19.900
FisherZ	50	100	CC	0.05	0.806	0.835	0.939	0.257	20.650
FisherZ	50	100	CC	0.08	0.750	0.845	0.884	0.298	22.350
FisherZ	50	300	CC	1.00E-04	0.974	0.816	0.922	0.203	18.900
FisherZ	50	300	CC	0.001	0.951	0.833	0.937	0.239	18.400
FisherZ	50	300	CC	0.01	0.909	0.880	0.916	0.334	17.250
FisherZ	50	300	CC	0.03	0.857	0.893	0.862	0.364	17.900
FisherZ	50	300	CC	0.05	0.802	0.909	0.872	0.404	19.000
FisherZ	50	300	CC	0.08	0.755	0.919	0.791	0.438	20.650
FisherZ	50	500	CC	1.00E-04	0.929	0.886	0.967	0.315	16.450
FisherZ	50	500	CC	0.001	0.925	0.904	0.978	0.370	15.300
FisherZ	50	500	CC	0.01	0.876	0.933	0.965	0.508	14.450
FisherZ	50	500	CC	0.03	0.823	0.938	0.886	0.536	15.650
FisherZ	50	500	CC	0.05	0.785	0.938	0.841	0.542	17.550
FisherZ	50	500	CC	0.08	0.730	0.940	0.811	0.577	20.100
ChiSquare	50	100	CC	1.00E-04	0.963	0.256	NaN	0.000	29.650
ChiSquare	50	100	CC	0.001	0.973	0.300	NaN	0.000	29.100
ChiSquare	50	100	CC	0.01	0.961	0.428	NaN	0.000	27.400
ChiSquare	50	100	CC	0.03	0.967	0.460	NaN	0.000	27.050
ChiSquare	50	100	CC	0.05	0.968	0.466	0.667	0.005	26.900
ChiSquare	50	100	CC	0.08	0.944	0.503	0.833	0.010	26.450
ChiSquare	50	300	CC	1.00E-04	0.986	0.534	NaN	0.000	27.400
ChiSquare	50	300	CC	0.001	0.984	0.582	0.500	0.002	26.550
ChiSquare	50	300	CC	0.01	0.972	0.620	0.500	0.008	25.950
ChiSquare	50	300	CC	0.03	0.931	0.653	0.650	0.019	26.100
ChiSquare	50	300	CC	0.05	0.941	0.661	0.550	0.016	25.800
ChiSquare	50	300	CC	0.08	0.920	0.678	0.775	0.044	25.700
ChiSquare	50	500	CC	1.00E-04	0.994	0.641	1.000	0.059	24.450
ChiSquare	50	500	CC	0.001	0.985	0.680	1.000	0.079	23.600
ChiSquare	50	500	CC	0.01	0.958	0.734	0.922	0.088	23.100
ChiSquare	50	500	CC	0.03	0.929	0.766	0.845	0.116	23.050
ChiSquare	50	500	CC	0.05	0.906	0.778	0.962	0.150	22.550
ChiSquare	50	500	CC	0.08	0.916	0.796	0.953	0.169	21.900
MultinomialLRT	50	100	CC	1.00E-04	0.995	0.615	0.900	0.027	23.400
MultinomialLRT	50	100	CC	0.001	0.996	0.697	0.955	0.091	20.900

MultinomialLRT	50	100	CC	0.01	0.955	0.761	0.944	0.146	19.650
MultinomialLRT	50	100	CC	0.03	0.922	0.784	0.872	0.209	19.000
MultinomialLRT	50	100	CC	0.05	0.884	0.821	0.850	0.234	19.050
MultinomialLRT	50	100	CC	0.08	0.851	0.851	0.860	0.311	18.550
MultinomialLRT	50	300	CC	1.00E-04	0.990	0.780	0.903	0.208	19.450
MultinomialLRT	50	300	CC	0.001	0.985	0.811	0.884	0.280	18.000
MultinomialLRT	50	300	CC	0.01	0.985	0.853	0.950	0.362	15.450
MultinomialLRT	50	300	CC	0.03	0.921	0.870	0.944	0.408	15.600
MultinomialLRT	50	300	CC	0.05	0.896	0.889	0.940	0.445	15.150
MultinomialLRT	50	300	CC	0.08	0.837	0.904	0.922	0.479	16.650
MultinomialLRT	50	500	CC	1.00E-04	0.987	0.863	0.971	0.429	14.350
MultinomialLRT	50	500	CC	0.001	0.988	0.899	0.971	0.521	11.900
MultinomialLRT	50	500	CC	0.01	0.971	0.919	0.987	0.578	10.450
MultinomialLRT	50	500	CC	0.03	0.949	0.919	0.985	0.596	10.600
MultinomialLRT	50	500	CC	0.05	0.890	0.930	0.966	0.624	11.650
MultinomialLRT	50	500	CC	0.08	0.852	0.936	0.940	0.642	12.750
CondGaussLRT	50	100	CC	1.00E-04	0.995	0.598	1.000	0.023	23.800
CondGaussLRT	50	100	CC	0.001	0.995	0.664	0.929	0.063	22.100
CondGaussLRT	50	100	CC	0.01	0.959	0.745	0.951	0.122	20.050
CondGaussLRT	50	100	CC	0.03	0.980	0.782	0.958	0.178	18.100
CondGaussLRT	50	100	CC	0.05	0.965	0.805	0.962	0.202	17.550
CondGaussLRT	50	100	CC	0.08	0.929	0.827	0.965	0.239	17.050
CondGaussLRT	50	300	CC	1.00E-04	0.991	0.753	0.899	0.160	20.750
CondGaussLRT	50	300	CC	0.001	0.987	0.779	0.865	0.181	19.950
CondGaussLRT	50	300	CC	0.01	0.976	0.812	0.878	0.228	18.650
CondGaussLRT	50	300	CC	0.03	0.993	0.837	0.931	0.260	17.300
CondGaussLRT	50	300	CC	0.05	0.976	0.846	0.938	0.284	16.950
CondGaussLRT	50	300	CC	0.08	0.957	0.861	0.946	0.302	16.450
CondGaussLRT	50	500	CC	1.00E-04	0.989	0.853	0.984	0.321	16.050
CondGaussLRT	50	500	CC	0.001	0.990	0.876	0.977	0.377	14.700
CondGaussLRT	50	500	CC	0.01	0.987	0.896	0.980	0.428	13.200
CondGaussLRT	50	500	CC	0.03	0.976	0.905	0.976	0.465	12.700
CondGaussLRT	50	500	CC	0.05	0.961	0.913	0.975	0.476	12.650
CondGaussLRT	50	500	CC	0.08	0.954	0.920	0.969	0.476	12.850
FisherZ	50	100	CD	1.00E-04	1.000	0.161	NaN	0.000	64.100
FisherZ	50	100	CD	0.001	0.960	0.221	1.000	0.003	62.300
FisherZ	50	100	CD	0.01	0.817	0.293	0.952	0.020	62.650
FisherZ	50	100	CD	0.03	0.721	0.338	0.744	0.030	64.950
FisherZ	50	100	CD	0.05	0.652	0.365	0.828	0.049	67.700
FisherZ	50	100	CD	0.08	0.562	0.385	0.738	0.059	74.100
FisherZ	50	300	CD	1.00E-04	0.982	0.330	1.000	0.010	64.950
FisherZ	50	300	CD	0.001	0.973	0.383	0.950	0.020	63.000
FisherZ	50	300	CD	0.01	0.888	0.457	0.819	0.057	62.100
FisherZ	50	300	CD	0.03	0.768	0.498	0.835	0.095	65.900
FisherZ	50	300	CD	0.05	0.677	0.514	0.784	0.112	71.000

## EVALUATION OF CAUSAL STRUCTURE LEARNING

FisherZ	50	300	CD	0.08	0.618	0.547	0.735	0.147	76.500
FisherZ	50	500	CD	1.00E-04	0.968	0.386	0.958	0.037	57.850
FisherZ	50	500	CD	0.001	0.943	0.445	0.973	0.061	55.850
FisherZ	50	500	CD	0.01	0.869	0.520	0.876	0.100	55.850
FisherZ	50	500	CD	0.03	0.753	0.552	0.717	0.146	61.100
FisherZ	50	500	CD	0.05	0.687	0.585	0.650	0.173	65.800
FisherZ	50	500	CD	0.08	0.622	0.615	0.648	0.206	71.700
ChiSquare	50	100	CD	1.00E-04	1.000	0.107	NaN	0.000	66.050
ChiSquare	50	100	CD	0.001	1.000	0.163	NaN	0.000	64.700
ChiSquare	50	100	CD	0.01	0.978	0.228	NaN	0.000	62.550
ChiSquare	50	100	CD	0.03	0.929	0.254	NaN	0.000	61.850
ChiSquare	50	100	CD	0.05	0.957	0.279	0.250	0.001	60.950
ChiSquare	50	100	CD	0.08	0.955	0.311	0.000	0.000	60.450
ChiSquare	50	300	CD	1.00E-04	0.997	0.338	0.500	0.005	64.700
ChiSquare	50	300	CD	0.001	0.997	0.378	1.000	0.005	63.250
ChiSquare	50	300	CD	0.01	0.973	0.439	0.556	0.007	61.850
ChiSquare	50	300	CD	0.03	0.969	0.480	0.738	0.012	60.250
ChiSquare	50	300	CD	0.05	0.982	0.502	0.833	0.022	58.950
ChiSquare	50	300	CD	0.08	0.974	0.547	0.654	0.033	57.650
ChiSquare	50	500	CD	1.00E-04	0.997	0.429	NaN	0.000	57.200
ChiSquare	50	500	CD	0.001	0.991	0.485	1.000	0.002	55.300
ChiSquare	50	500	CD	0.01	0.987	0.552	0.667	0.006	52.950
ChiSquare	50	500	CD	0.03	0.987	0.595	0.833	0.009	51.450
ChiSquare	50	500	CD	0.05	0.977	0.617	1.000	0.019	50.600
ChiSquare	50	500	CD	0.08	0.968	0.643	0.773	0.033	49.850
MultinomialLRT	50	100	CD	1.00E-04	0.996	0.412	NaN	0.000	56.800
MultinomialLRT	50	100	CD	0.001	0.976	0.487	0.571	0.007	54.100
MultinomialLRT	50	100	CD	0.01	0.861	0.586	0.792	0.025	54.500
MultinomialLRT	50	100	CD	0.03	0.771	0.641	0.806	0.050	57.350
MultinomialLRT	50	100	CD	0.05	0.730	0.668	0.644	0.070	59.700
MultinomialLRT	50	100	CD	0.08	0.668	0.686	0.615	0.090	65.350
MultinomialLRT	50	300	CD	1.00E-04	0.998	0.613	1.000	0.052	52.850
MultinomialLRT	50	300	CD	0.001	0.994	0.680	0.922	0.087	49.800
MultinomialLRT	50	300	CD	0.01	0.943	0.749	0.981	0.152	46.700
MultinomialLRT	50	300	CD	0.03	0.857	0.783	0.935	0.203	48.900
MultinomialLRT	50	300	CD	0.05	0.814	0.800	0.855	0.234	50.350
MultinomialLRT	50	300	CD	0.08	0.752	0.811	0.809	0.262	55.250
MultinomialLRT	50	500	CD	1.00E-04	0.993	0.742	0.976	0.139	41.250
MultinomialLRT	50	500	CD	0.001	0.982	0.778	0.974	0.184	38.800
MultinomialLRT	50	500	CD	0.01	0.910	0.832	0.965	0.266	37.950
MultinomialLRT	50	500	CD	0.03	0.858	0.865	0.976	0.316	38.650
MultinomialLRT	50	500	CD	0.05	0.807	0.877	0.898	0.350	42.150
MultinomialLRT	50	500	CD	0.08	0.746	0.892	0.890	0.395	47.000
CondGaussLRT	50	100	CD	1.00E-04	1.000	0.175	NaN	0.000	65.150
CondGaussLRT	50	100	CD	0.001	1.000	0.188	1.000	0.002	64.800

CondGaussLRT	50	100	CD	0.01	0.923	0.156	1.000	0.006	65.350
CondGaussLRT	50	100	CD	0.03	0.983	0.144	1.000	0.005	64.950
CondGaussLRT	50	100	CD	0.05	0.983	0.130	1.000	0.009	65.050
CondGaussLRT	50	100	CD	0.08	0.963	0.138	1.000	0.009	64.950
CondGaussLRT	50	300	CD	1.00E-04	1.000	0.367	1.000	0.002	64.050
CondGaussLRT	50	300	CD	0.001	0.991	0.378	1.000	0.003	64.300
CondGaussLRT	50	300	CD	0.01	0.980	0.381	1.000	0.016	64.350
CondGaussLRT	50	300	CD	0.03	0.955	0.381	1.000	0.028	64.950
CondGaussLRT	50	300	CD	0.05	0.930	0.376	0.962	0.046	65.400
CondGaussLRT	50	300	CD	0.08	0.934	0.372	0.958	0.049	65.300
CondGaussLRT	50	500	CD	1.00E-04	1.000	0.475	1.000	0.018	55.100
CondGaussLRT	50	500	CD	0.001	1.000	0.482	0.972	0.025	54.900
CondGaussLRT	50	500	CD	0.01	0.982	0.481	0.946	0.036	55.250
CondGaussLRT	50	500	CD	0.03	0.960	0.488	0.914	0.054	55.150
CondGaussLRT	50	500	CD	0.05	0.956	0.491	0.892	0.055	55.100
CondGaussLRT	50	500	CD	0.08	0.930	0.482	0.912	0.062	56.300
FisherZ	50	100	DD	1.00E-04	1.000	0.099	NaN	0.000	30.000
FisherZ	50	100	DD	0.001	0.938	0.137	1.000	0.003	29.450
FisherZ	50	100	DD	0.01	0.690	0.211	1.000	0.012	30.250
FisherZ	50	100	DD	0.03	0.587	0.259	0.600	0.014	32.800
FisherZ	50	100	DD	0.05	0.487	0.275	0.800	0.018	35.900
FisherZ	50	100	DD	0.08	0.405	0.319	0.561	0.070	39.350
FisherZ	50	300	DD	1.00E-04	0.963	0.195	NaN	0.000	35.950
FisherZ	50	300	DD	0.001	0.959	0.252	1.000	0.002	35.000
FisherZ	50	300	DD	0.01	0.804	0.333	0.708	0.010	35.850
FisherZ	50	300	DD	0.03	0.638	0.390	0.688	0.026	39.250
FisherZ	50	300	DD	0.05	0.558	0.421	0.674	0.037	42.200
FisherZ	50	300	DD	0.08	0.469	0.447	0.363	0.050	48.350
FisherZ	50	500	DD	1.00E-04	0.965	0.286	0.000	0.000	31.550
FisherZ	50	500	DD	0.001	0.943	0.383	0.833	0.007	30.300
FisherZ	50	500	DD	0.01	0.853	0.482	0.688	0.019	30.400
FisherZ	50	500	DD	0.03	0.705	0.539	0.604	0.061	33.300
FisherZ	50	500	DD	0.05	0.643	0.565	0.607	0.103	35.650
FisherZ	50	500	DD	0.08	0.562	0.612	0.560	0.117	40.850
ChiSquare	50	100	DD	1.00E-04	1.000	0.254	NaN	0.000	28.350
ChiSquare	50	100	DD	0.001	1.000	0.308	NaN	0.000	27.850
ChiSquare	50	100	DD	0.01	0.961	0.406	NaN	0.000	26.700
ChiSquare	50	100	DD	0.03	0.943	0.445	NaN	0.000	26.250
ChiSquare	50	100	DD	0.05	0.947	0.472	NaN	0.000	25.750
ChiSquare	50	100	DD	0.08	0.911	0.491	0.000	0.000	26.100
ChiSquare	50	300	DD	1.00E-04	0.994	0.490	0.000	0.000	31.000
ChiSquare	50	300	DD	0.001	0.996	0.532	NaN	0.000	29.850
ChiSquare	50	300	DD	0.01	0.987	0.610	1.000	0.009	28.450
ChiSquare	50	300	DD	0.03	0.960	0.645	0.500	0.009	28.600
ChiSquare	50	300	DD	0.05	0.953	0.700	0.750	0.017	27.650

# EVALUATION OF CAUSAL STRUCTURE LEARNING

ChiSquare	50	300	DD	0.08	0.963	0.717	0.850	0.043	26.700
ChiSquare	50	500	DD	1.00E-04	0.993	0.630	NaN	0.000	25.650
ChiSquare	50	500	DD	0.001	0.989	0.681	NaN	0.000	24.750
ChiSquare	50	500	DD	0.01	0.985	0.746	0.500	0.002	23.550
ChiSquare	50	500	DD	0.03	0.972	0.802	1.000	0.014	22.950
ChiSquare	50	500	DD	0.05	0.977	0.822	0.933	0.020	22.350
ChiSquare	50	500	DD	0.08	0.970	0.852	0.660	0.025	21.950
MultinomialLRT	50	100	DD	1.00E-04	0.985	0.425	NaN	0.000	26.150
MultinomialLRT	50	100	DD	0.001	0.926	0.511	0.667	0.007	25.400
MultinomialLRT	50	100	DD	0.01	0.772	0.578	0.778	0.034	27.350
MultinomialLRT	50	100	DD	0.03	0.665	0.626	0.652	0.060	30.750
MultinomialLRT	50	100	DD	0.05	0.575	0.641	0.584	0.114	33.500
MultinomialLRT	50	100	DD	0.08	0.523	0.690	0.496	0.138	37.600
MultinomialLRT	50	300	DD	1.00E-04	1.000	0.730	1.000	0.058	24.900
MultinomialLRT	50	300	DD	0.001	0.989	0.793	0.964	0.095	23.400
MultinomialLRT	50	300	DD	0.01	0.924	0.850	1.000	0.145	23.100
MultinomialLRT	50	300	DD	0.03	0.822	0.877	0.917	0.227	24.650
MultinomialLRT	50	300	DD	0.05	0.755	0.893	0.818	0.265	26.900
MultinomialLRT	50	300	DD	0.08	0.677	0.911	0.762	0.288	31.300
MultinomialLRT	50	500	DD	1.00E-04	0.997	0.869	0.942	0.085	19.600
MultinomialLRT	50	500	DD	0.001	0.997	0.910	0.875	0.131	18.050
MultinomialLRT	50	500	DD	0.01	0.922	0.949	0.935	0.214	17.400
MultinomialLRT	50	500	DD	0.03	0.813	0.957	0.934	0.290	20.250
MultinomialLRT	50	500	DD	0.05	0.724	0.961	0.900	0.354	24.100
MultinomialLRT	50	500	DD	0.08	0.660	0.970	0.815	0.367	28.550
CondGaussLRT	50	100	DD	1.00E-04	1.000	0.160	NaN	0.000	29.600
CondGaussLRT	50	100	DD	0.001	1.000	0.220	1.000	0.005	28.900
CondGaussLRT	50	100	DD	0.01	1.000	0.231	1.000	0.008	28.500
CondGaussLRT	50	100	DD	0.03	1.000	0.253	1.000	0.005	28.200
CondGaussLRT	50	100	DD	0.05	1.000	0.238	1.000	0.005	28.300
CondGaussLRT	50	100	DD	0.08	1.000	0.264	1.000	0.011	28.000
CondGaussLRT	50	300	DD	1.00E-04	1.000	0.366	NaN	0.000	33.350
CondGaussLRT	50	300	DD	0.001	1.000	0.350	NaN	0.000	33.850
CondGaussLRT	50	300	DD	0.01	0.984	0.341	NaN	0.000	34.300
CondGaussLRT	50	300	DD	0.03	0.979	0.336	1.000	0.003	34.500
CondGaussLRT	50	300	DD	0.05	0.983	0.324	1.000	0.003	34.500
CondGaussLRT	50	300	DD	0.08	0.973	0.334	NaN	0.000	34.500
CondGaussLRT	50	500	DD	1.00E-04	1.000	0.433	NaN	0.000	29.400
CondGaussLRT	50	500	DD	0.001	1.000	0.464	1.000	0.002	28.850
CondGaussLRT	50	500	DD	0.01	0.992	0.455	1.000	0.004	29.300
CondGaussLRT	50	500	DD	0.03	0.994	0.433	0.500	0.005	29.600
CondGaussLRT	50	500	DD	0.05	0.994	0.431	0.500	0.007	29.600
CondGaussLRT	50	500	DD	0.08	0.993	0.417	0.625	0.009	29.750
FisherZ	50	100	All	1.00E-04	0.992	0.272	0.778	0.014	116.450
FisherZ	50	100	All	0.001	0.981	0.327	0.917	0.025	112.350

FisherZ	50	100	All	0.01	0.857	0.402	0.960	0.058	111.600
FisherZ	50	100	All	0.03	0.744	0.441	0.869	0.074	117.650
FisherZ	50	100	All	0.05	0.671	0.468	0.916	0.095	124.250
FisherZ	50	100	All	0.08	0.593	0.490	0.787	0.129	135.800
FisherZ	50	300	All	1.00E-04	0.978	0.405	0.932	0.055	119.800
FisherZ	50	300	All	0.001	0.965	0.450	0.949	0.069	116.400
FisherZ	50	300	All	0.01	0.884	0.521	0.890	0.111	115.200
FisherZ	50	300	All	0.03	0.772	0.561	0.832	0.141	123.050
FisherZ	50	300	All	0.05	0.695	0.581	0.802	0.163	132.200
FisherZ	50	300	All	0.08	0.624	0.607	0.732	0.193	145.500
FisherZ	50	500	All	1.00E-04	0.949	0.481	0.960	0.094	105.850
FisherZ	50	500	All	0.001	0.934	0.539	0.966	0.122	101.450
FisherZ	50	500	All	0.01	0.867	0.610	0.912	0.174	100.700
FisherZ	50	500	All	0.03	0.764	0.641	0.795	0.215	110.050
FisherZ	50	500	All	0.05	0.703	0.664	0.755	0.239	119.000
FisherZ	50	500	All	0.08	0.636	0.691	0.722	0.270	132.650
ChiSquare	50	100	All	1.00E-04	0.988	0.177	NaN	0.000	124.050
ChiSquare	50	100	All	0.001	0.992	0.225	NaN	0.000	121.650
ChiSquare	50	100	All	0.01	0.968	0.312	NaN	0.000	116.650
ChiSquare	50	100	All	0.03	0.946	0.345	NaN	0.000	115.150
ChiSquare	50	100	All	0.05	0.953	0.367	0.500	0.002	113.600
ChiSquare	50	100	All	0.08	0.932	0.397	0.500	0.002	113.000
ChiSquare	50	300	All	1.00E-04	0.993	0.416	0.500	0.002	123.100
ChiSquare	50	300	All	0.001	0.993	0.461	0.750	0.003	119.650
ChiSquare	50	300	All	0.01	0.974	0.523	0.750	0.008	116.250
ChiSquare	50	300	All	0.03	0.953	0.559	0.642	0.013	114.950
ChiSquare	50	300	All	0.05	0.959	0.586	0.708	0.020	112.400
ChiSquare	50	300	All	0.08	0.955	0.619	0.732	0.038	110.050
ChiSquare	50	500	All	1.00E-04	0.996	0.528	1.000	0.011	107.300
ChiSquare	50	500	All	0.001	0.988	0.579	1.000	0.015	103.650
ChiSquare	50	500	All	0.01	0.980	0.643	0.867	0.020	99.600
ChiSquare	50	500	All	0.03	0.968	0.685	0.897	0.031	97.450
ChiSquare	50	500	All	0.05	0.958	0.705	0.958	0.047	95.500
ChiSquare	50	500	All	0.08	0.954	0.731	0.882	0.060	93.700
MultinomialLRT	50	100	All	1.00E-04	0.993	0.456	0.900	0.007	106.350
MultinomialLRT	50	100	All	0.001	0.970	0.537	0.910	0.027	100.400
MultinomialLRT	50	100	All	0.01	0.862	0.616	0.801	0.057	101.500
MultinomialLRT	50	100	All	0.03	0.773	0.661	0.788	0.090	107.100
MultinomialLRT	50	100	All	0.05	0.724	0.693	0.692	0.120	112.250
MultinomialLRT	50	100	All	0.08	0.667	0.721	0.674	0.161	121.500
MultinomialLRT	50	300	All	1.00E-04	0.996	0.680	0.939	0.091	97.200
MultinomialLRT	50	300	All	0.001	0.990	0.737	0.924	0.135	91.200
MultinomialLRT	50	300	All	0.01	0.944	0.796	0.971	0.198	85.250
MultinomialLRT	50	300	All	0.03	0.860	0.826	0.931	0.255	89.150
MultinomialLRT	50	300	All	0.05	0.815	0.843	0.864	0.288	92.400

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MultinomialLRT	50	300	All	0.08	0.748	0.858	0.821	0.317	103.200
MultinomialLRT	50	500	All	1.00E-04	0.992	0.803	0.968	0.189	75.200
MultinomialLRT	50	500	All	0.001	0.985	0.840	0.970	0.246	68.750
MultinomialLRT	50	500	All	0.01	0.925	0.883	0.972	0.325	65.800
MultinomialLRT	50	500	All	0.03	0.863	0.901	0.965	0.374	69.500
MultinomialLRT	50	500	All	0.05	0.800	0.912	0.919	0.414	77.900
MultinomialLRT	50	500	All	0.08	0.742	0.923	0.885	0.445	88.300
CondGaussLRT	50	100	All	1.00E-04	0.997	0.272	1.000	0.005	118.550
CondGaussLRT	50	100	All	0.001	0.997	0.310	0.938	0.018	115.800
CondGaussLRT	50	100	All	0.01	0.956	0.319	0.955	0.035	113.900
CondGaussLRT	50	100	All	0.03	0.983	0.327	0.961	0.048	111.250
CondGaussLRT	50	100	All	0.05	0.973	0.326	0.964	0.058	110.900
CondGaussLRT	50	100	All	0.08	0.952	0.340	0.968	0.068	110.000
CondGaussLRT	50	300	All	1.00E-04	0.996	0.452	0.899	0.039	118.150
CondGaussLRT	50	300	All	0.001	0.988	0.459	0.865	0.045	118.100
CondGaussLRT	50	300	All	0.01	0.980	0.466	0.885	0.063	117.300
CondGaussLRT	50	300	All	0.03	0.968	0.472	0.935	0.078	116.750
CondGaussLRT	50	300	All	0.05	0.953	0.467	0.929	0.093	116.850
CondGaussLRT	50	300	All	0.08	0.949	0.470	0.931	0.099	116.250
CondGaussLRT	50	500	All	1.00E-04	0.995	0.554	0.984	0.082	100.550
CondGaussLRT	50	500	All	0.001	0.995	0.572	0.970	0.099	98.450
CondGaussLRT	50	500	All	0.01	0.984	0.573	0.968	0.118	97.750
CondGaussLRT	50	500	All	0.03	0.966	0.574	0.953	0.137	97.450
CondGaussLRT	50	500	All	0.05	0.961	0.576	0.934	0.141	97.350
CondGaussLRT	50	500	All	0.08	0.941	0.571	0.940	0.145	98.900
FisherZ	100	100	CC	1.00E-04	0.991	0.609	0.975	0.048	45.500
FisherZ	100	100	CC	0.001	0.986	0.661	0.970	0.077	42.700
FisherZ	100	100	CC	0.01	0.904	0.738	0.980	0.144	41.300
FisherZ	100	100	CC	0.03	0.839	0.773	0.921	0.201	42.150
FisherZ	100	100	CC	0.05	0.777	0.802	0.850	0.242	44.350
FisherZ	100	100	CC	0.08	0.697	0.827	0.816	0.302	49.800
FisherZ	100	300	CC	1.00E-04	0.985	0.845	0.971	0.224	33.450
FisherZ	100	300	CC	0.001	0.968	0.876	0.981	0.309	29.650
FisherZ	100	300	CC	0.01	0.912	0.909	0.975	0.379	28.850
FisherZ	100	300	CC	0.03	0.812	0.922	0.948	0.436	32.850
FisherZ	100	300	CC	0.05	0.752	0.929	0.916	0.460	37.600
FisherZ	100	300	CC	0.08	0.688	0.932	0.767	0.469	45.250
FisherZ	100	500	CC	1.00E-04	0.982	0.902	0.980	0.430	26.900
FisherZ	100	500	CC	0.001	0.976	0.918	0.977	0.478	25.000
FisherZ	100	500	CC	0.01	0.929	0.946	0.969	0.539	24.900
FisherZ	100	500	CC	0.03	0.870	0.955	0.926	0.565	29.050
FisherZ	100	500	CC	0.05	0.822	0.956	0.908	0.584	33.200
FisherZ	100	500	CC	0.08	0.744	0.958	0.874	0.600	41.400
ChiSquare	100	100	CC	1.00E-04	0.969	0.250	NaN	0.000	57.900
ChiSquare	100	100	CC	0.001	0.954	0.291	NaN	0.000	56.750

ChiSquare	100	100	CC	0.01	0.919	0.355	NaN	0.000	56.150
ChiSquare	100	100	CC	0.03	0.942	0.421	0.750	0.005	53.950
ChiSquare	100	100	CC	0.05	0.949	0.434	0.625	0.007	53.300
ChiSquare	100	100	CC	0.08	0.933	0.469	0.625	0.007	52.600
ChiSquare	100	300	CC	1.00E-04	0.986	0.490	1.000	0.002	53.700
ChiSquare	100	300	CC	0.001	0.982	0.533	1.000	0.002	52.550
ChiSquare	100	300	CC	0.01	0.957	0.594	1.000	0.015	50.950
ChiSquare	100	300	CC	0.03	0.949	0.626	0.981	0.043	49.300
ChiSquare	100	300	CC	0.05	0.939	0.647	0.883	0.046	49.050
ChiSquare	100	300	CC	0.08	0.948	0.671	0.910	0.062	47.400
ChiSquare	100	500	CC	1.00E-04	0.979	0.600	1.000	0.020	53.200
ChiSquare	100	500	CC	0.001	0.979	0.643	1.000	0.029	51.500
ChiSquare	100	500	CC	0.01	0.962	0.703	0.933	0.073	48.650
ChiSquare	100	500	CC	0.03	0.954	0.732	0.979	0.101	47.000
ChiSquare	100	500	CC	0.05	0.936	0.756	0.970	0.129	46.450
ChiSquare	100	500	CC	0.08	0.924	0.765	0.949	0.143	46.300
MultinomialLRT	100	100	CC	1.00E-04	0.997	0.587	1.000	0.042	46.150
MultinomialLRT	100	100	CC	0.001	1.000	0.656	0.992	0.078	42.250
MultinomialLRT	100	100	CC	0.01	0.943	0.717	0.985	0.133	40.450
MultinomialLRT	100	100	CC	0.03	0.895	0.767	0.967	0.193	39.300
MultinomialLRT	100	100	CC	0.05	0.855	0.803	0.942	0.241	39.450
MultinomialLRT	100	100	CC	0.08	0.783	0.813	0.882	0.263	44.000
MultinomialLRT	100	300	CC	1.00E-04	0.997	0.794	0.944	0.193	36.000
MultinomialLRT	100	300	CC	0.001	0.983	0.838	0.958	0.272	31.850
MultinomialLRT	100	300	CC	0.01	0.955	0.883	0.974	0.372	27.800
MultinomialLRT	100	300	CC	0.03	0.884	0.902	0.871	0.431	28.650
MultinomialLRT	100	300	CC	0.05	0.842	0.910	0.883	0.466	30.250
MultinomialLRT	100	300	CC	0.08	0.789	0.915	0.850	0.500	33.700
MultinomialLRT	100	500	CC	1.00E-04	0.996	0.885	0.986	0.462	25.500
MultinomialLRT	100	500	CC	0.001	0.995	0.905	0.987	0.529	22.400
MultinomialLRT	100	500	CC	0.01	0.984	0.935	0.986	0.591	19.450
MultinomialLRT	100	500	CC	0.03	0.952	0.943	0.969	0.633	20.050
MultinomialLRT	100	500	CC	0.05	0.933	0.945	0.962	0.644	21.200
MultinomialLRT	100	500	CC	0.08	0.872	0.952	0.939	0.665	25.400
CondGaussLRT	100	100	CC	1.00E-04	0.997	0.556	1.000	0.032	47.400
CondGaussLRT	100	100	CC	0.001	0.997	0.617	1.000	0.046	44.850
CondGaussLRT	100	100	CC	0.01	0.984	0.676	0.971	0.116	40.950
CondGaussLRT	100	100	CC	0.03	0.987	0.717	0.985	0.150	38.350
CondGaussLRT	100	100	CC	0.05	0.960	0.749	0.986	0.182	37.400
CondGaussLRT	100	100	CC	0.08	0.905	0.758	0.995	0.207	38.550
CondGaussLRT	100	300	CC	1.00E-04	0.997	0.738	0.944	0.123	40.450
CondGaussLRT	100	300	CC	0.001	0.992	0.778	0.978	0.167	37.500
CondGaussLRT	100	300	CC	0.01	0.979	0.817	0.961	0.227	34.150
CondGaussLRT	100	300	CC	0.03	0.979	0.832	0.965	0.265	32.300
CondGaussLRT	100	300	CC	0.05	0.971	0.840	0.975	0.289	31.250



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CondGaussLRT	100	300	CC	0.08	0.944	0.854	0.976	0.313	31.100
CondGaussLRT	100	500	CC	1.00E-04	0.996	0.852	0.986	0.349	31.150
CondGaussLRT	100	500	CC	0.001	0.996	0.880	0.987	0.411	27.900
CondGaussLRT	100	500	CC	0.01	0.995	0.897	0.995	0.444	25.750
CondGaussLRT	100	500	CC	0.03	0.991	0.915	0.993	0.489	23.750
CondGaussLRT	100	500	CC	0.05	0.983	0.928	0.994	0.509	22.900
CondGaussLRT	100	500	CC	0.08	0.974	0.933	0.991	0.519	23.000
FisherZ	100	100	CD	1.00E-04	0.954	0.140	1.000	0.001	122.150
FisherZ	100	100	CD	0.001	0.910	0.188	1.000	0.004	120.650
FisherZ	100	100	CD	0.01	0.744	0.263	0.955	0.020	124.150
FisherZ	100	100	CD	0.03	0.606	0.313	0.643	0.031	134.600
FisherZ	100	100	CD	0.05	0.511	0.342	0.525	0.042	148.350
FisherZ	100	100	CD	0.08	0.435	0.370	0.485	0.056	166.700
FisherZ	100	300	CD	1.00E-04	0.982	0.363	0.972	0.012	129.050
FisherZ	100	300	CD	0.001	0.957	0.418	0.988	0.031	124.500
FisherZ	100	300	CD	0.01	0.838	0.479	0.944	0.052	127.150
FisherZ	100	300	CD	0.03	0.707	0.527	0.726	0.088	138.450
FisherZ	100	300	CD	0.05	0.619	0.555	0.723	0.106	154.000
FisherZ	100	300	CD	0.08	0.536	0.575	0.604	0.128	177.050
FisherZ	100	500	CD	1.00E-04	0.965	0.380	0.941	0.029	118.950
FisherZ	100	500	CD	0.001	0.936	0.443	0.917	0.058	114.550
FisherZ	100	500	CD	0.01	0.843	0.509	0.865	0.099	116.100
FisherZ	100	500	CD	0.03	0.714	0.548	0.814	0.136	128.900
FisherZ	100	500	CD	0.05	0.637	0.574	0.792	0.172	140.150
FisherZ	100	500	CD	0.08	0.549	0.596	0.687	0.201	162.250
ChiSquare	100	100	CD	1.00E-04	0.983	0.094	NaN	0.000	125.550
ChiSquare	100	100	CD	0.001	0.947	0.122	NaN	0.000	123.950
ChiSquare	100	100	CD	0.01	0.952	0.170	1.000	0.001	121.100
ChiSquare	100	100	CD	0.03	0.955	0.219	NaN	0.000	118.300
ChiSquare	100	100	CD	0.05	0.959	0.245	0.000	0.000	117.050
ChiSquare	100	100	CD	0.08	0.943	0.261	1.000	0.003	116.150
ChiSquare	100	300	CD	1.00E-04	0.989	0.367	NaN	0.000	130.050
ChiSquare	100	300	CD	0.001	0.985	0.410	NaN	0.000	126.900
ChiSquare	100	300	CD	0.01	0.979	0.482	1.000	0.004	121.600
ChiSquare	100	300	CD	0.03	0.978	0.533	1.000	0.008	117.900
ChiSquare	100	300	CD	0.05	0.974	0.554	1.000	0.015	116.200
ChiSquare	100	300	CD	0.08	0.971	0.573	0.908	0.032	113.950
ChiSquare	100	500	CD	1.00E-04	0.998	0.434	1.000	0.003	115.500
ChiSquare	100	500	CD	0.001	0.997	0.483	1.000	0.008	111.750
ChiSquare	100	500	CD	0.01	0.986	0.546	0.846	0.023	107.300
ChiSquare	100	500	CD	0.03	0.973	0.591	0.764	0.030	105.100
ChiSquare	100	500	CD	0.05	0.963	0.613	0.865	0.045	103.550
ChiSquare	100	500	CD	0.08	0.961	0.635	0.863	0.064	101.100
MultinomialLRT	100	100	CD	1.00E-04	0.974	0.349	1.000	0.003	109.950
MultinomialLRT	100	100	CD	0.001	0.945	0.420	0.875	0.010	106.550

MultinomialLRT	100	100	CD	0.01	0.802	0.522	0.911	0.037	109.450
MultinomialLRT	100	100	CD	0.03	0.711	0.580	0.704	0.058	118.750
MultinomialLRT	100	100	CD	0.05	0.647	0.612	0.699	0.080	127.750
MultinomialLRT	100	100	CD	0.08	0.572	0.633	0.608	0.102	144.350
MultinomialLRT	100	300	CD	1.00E-04	0.987	0.667	0.906	0.032	104.900
MultinomialLRT	100	300	CD	0.001	0.960	0.731	0.930	0.064	98.850
MultinomialLRT	100	300	CD	0.01	0.858	0.799	0.979	0.133	100.750
MultinomialLRT	100	300	CD	0.03	0.770	0.828	0.910	0.201	110.300
MultinomialLRT	100	300	CD	0.05	0.711	0.845	0.836	0.239	121.350
MultinomialLRT	100	300	CD	0.08	0.644	0.860	0.789	0.283	139.650
MultinomialLRT	100	500	CD	1.00E-04	0.993	0.724	0.977	0.110	87.100
MultinomialLRT	100	500	CD	0.001	0.976	0.779	0.985	0.170	80.400
MultinomialLRT	100	500	CD	0.01	0.916	0.837	0.982	0.283	75.200
MultinomialLRT	100	500	CD	0.03	0.816	0.875	0.967	0.359	84.100
MultinomialLRT	100	500	CD	0.05	0.758	0.884	0.928	0.390	94.000
MultinomialLRT	100	500	CD	0.08	0.683	0.897	0.888	0.435	110.900
CondGaussLRT	100	100	CD	1.00E-04	0.978	0.115	1.000	0.001	124.800
CondGaussLRT	100	100	CD	0.001	0.936	0.101	1.000	0.001	126.200
CondGaussLRT	100	100	CD	0.01	0.963	0.077	0.958	0.008	126.250
CondGaussLRT	100	100	CD	0.03	0.997	0.076	0.938	0.008	125.900
CondGaussLRT	100	100	CD	0.05	0.994	0.080	0.938	0.008	125.800
CondGaussLRT	100	100	CD	0.08	0.988	0.088	0.625	0.008	125.350
CondGaussLRT	100	300	CD	1.00E-04	1.000	0.423	0.875	0.008	126.300
CondGaussLRT	100	300	CD	0.001	0.982	0.432	0.933	0.019	126.400
CondGaussLRT	100	300	CD	0.01	0.968	0.431	0.974	0.023	127.450
CondGaussLRT	100	300	CD	0.03	0.962	0.413	0.873	0.038	127.700
CondGaussLRT	100	300	CD	0.05	0.955	0.402	0.907	0.039	128.650
CondGaussLRT	100	300	CD	0.08	0.938	0.374	0.967	0.049	131.100
CondGaussLRT	100	500	CD	1.00E-04	1.000	0.453	0.894	0.029	113.250
CondGaussLRT	100	500	CD	0.001	0.999	0.474	0.976	0.051	110.400
CondGaussLRT	100	500	CD	0.01	0.979	0.478	1.000	0.068	110.250
CondGaussLRT	100	500	CD	0.03	0.969	0.475	0.979	0.082	110.550
CondGaussLRT	100	500	CD	0.05	0.956	0.471	0.945	0.097	110.800
CondGaussLRT	100	500	CD	0.08	0.954	0.459	0.926	0.101	111.500
FisherZ	100	100	DD	1.00E-04	0.891	0.073	1.000	0.002	62.600
FisherZ	100	100	DD	0.001	0.785	0.123	0.667	0.002	62.200
FisherZ	100	100	DD	0.01	0.477	0.170	0.917	0.006	69.300
FisherZ	100	100	DD	0.03	0.375	0.220	0.517	0.010	79.150
FisherZ	100	100	DD	0.05	0.327	0.252	0.417	0.018	88.250
FisherZ	100	100	DD	0.08	0.261	0.276	0.221	0.023	104.500
FisherZ	100	300	DD	1.00E-04	0.957	0.215	NaN	0.000	65.650
FisherZ	100	300	DD	0.001	0.909	0.261	0.667	0.002	64.700
FisherZ	100	300	DD	0.01	0.676	0.343	0.757	0.021	69.500
FisherZ	100	300	DD	0.03	0.489	0.399	0.451	0.031	82.650
FisherZ	100	300	DD	0.05	0.395	0.427	0.370	0.043	96.300

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FisherZ	100	300	DD	0.08	0.321	0.448	0.288	0.062	115.150
FisherZ	100	500	DD	1.00E-04	0.938	0.257	1.000	0.003	64.450
FisherZ	100	500	DD	0.001	0.884	0.318	0.800	0.009	63.550
FisherZ	100	500	DD	0.01	0.711	0.437	0.660	0.026	67.750
FisherZ	100	500	DD	0.03	0.562	0.511	0.569	0.054	79.850
FisherZ	100	500	DD	0.05	0.459	0.538	0.541	0.081	93.450
FisherZ	100	500	DD	0.08	0.379	0.568	0.468	0.106	113.300
ChiSquare	100	100	DD	1.00E-04	0.969	0.241	NaN	0.000	58.250
ChiSquare	100	100	DD	0.001	0.970	0.310	NaN	0.000	56.550
ChiSquare	100	100	DD	0.01	0.968	0.383	0.000	0.000	54.200
ChiSquare	100	100	DD	0.03	0.957	0.426	NaN	0.000	53.050
ChiSquare	100	100	DD	0.05	0.951	0.439	NaN	0.000	52.550
ChiSquare	100	100	DD	0.08	0.941	0.478	0.750	0.007	51.450
ChiSquare	100	300	DD	1.00E-04	0.976	0.486	NaN	0.000	57.250
ChiSquare	100	300	DD	0.001	0.981	0.543	NaN	0.000	55.300
ChiSquare	100	300	DD	0.01	0.945	0.608	1.000	0.002	54.100
ChiSquare	100	300	DD	0.03	0.934	0.644	0.767	0.008	53.200
ChiSquare	100	300	DD	0.05	0.921	0.660	0.875	0.014	52.950
ChiSquare	100	300	DD	0.08	0.924	0.692	0.825	0.025	51.750
ChiSquare	100	500	DD	1.00E-04	0.988	0.584	NaN	0.000	52.300
ChiSquare	100	500	DD	0.001	0.984	0.635	1.000	0.001	50.750
ChiSquare	100	500	DD	0.01	0.975	0.712	1.000	0.005	48.050
ChiSquare	100	500	DD	0.03	0.973	0.748	0.778	0.012	46.950
ChiSquare	100	500	DD	0.05	0.963	0.777	0.667	0.024	46.400
ChiSquare	100	500	DD	0.08	0.955	0.803	0.710	0.041	45.550
MultinomialLRT	100	100	DD	1.00E-04	0.957	0.456	0.750	0.006	51.900
MultinomialLRT	100	100	DD	0.001	0.900	0.535	0.700	0.013	51.000
MultinomialLRT	100	100	DD	0.01	0.734	0.627	0.777	0.043	57.300
MultinomialLRT	100	100	DD	0.03	0.602	0.676	0.544	0.070	68.750
MultinomialLRT	100	100	DD	0.05	0.517	0.696	0.520	0.092	80.350
MultinomialLRT	100	100	DD	0.08	0.449	0.719	0.392	0.126	93.000
MultinomialLRT	100	300	DD	1.00E-04	0.989	0.680	1.000	0.021	49.550
MultinomialLRT	100	300	DD	0.001	0.937	0.742	0.974	0.056	47.750
MultinomialLRT	100	300	DD	0.01	0.797	0.805	0.915	0.114	51.650
MultinomialLRT	100	300	DD	0.03	0.671	0.837	0.803	0.161	62.400
MultinomialLRT	100	300	DD	0.05	0.596	0.842	0.711	0.198	72.650
MultinomialLRT	100	300	DD	0.08	0.518	0.858	0.638	0.241	87.700
MultinomialLRT	100	500	DD	1.00E-04	0.997	0.831	0.990	0.116	38.650
MultinomialLRT	100	500	DD	0.001	0.966	0.874	0.993	0.186	36.150
MultinomialLRT	100	500	DD	0.01	0.862	0.913	0.987	0.278	38.950
MultinomialLRT	100	500	DD	0.03	0.727	0.928	0.931	0.352	50.350
MultinomialLRT	100	500	DD	0.05	0.638	0.936	0.844	0.397	61.800
MultinomialLRT	100	500	DD	0.08	0.545	0.939	0.732	0.461	78.650
CondGaussLRT	100	100	DD	1.00E-04	0.992	0.161	NaN	0.000	60.600
CondGaussLRT	100	100	DD	0.001	1.000	0.196	0.667	0.002	59.300

CondGaussLRT	100	100	DD	0.01	0.990	0.220	0.750	0.004	58.550
CondGaussLRT	100	100	DD	0.03	0.995	0.234	0.800	0.005	57.900
CondGaussLRT	100	100	DD	0.05	1.000	0.239	0.800	0.005	57.600
CondGaussLRT	100	100	DD	0.08	0.996	0.253	0.800	0.005	57.250
CondGaussLRT	100	300	DD	1.00E-04	1.000	0.337	NaN	0.000	62.150
CondGaussLRT	100	300	DD	0.001	0.992	0.348	NaN	0.000	62.050
CondGaussLRT	100	300	DD	0.01	0.983	0.360	1.000	0.002	61.950
CondGaussLRT	100	300	DD	0.03	1.000	0.354	1.000	0.002	61.950
CondGaussLRT	100	300	DD	0.05	1.000	0.353	1.000	0.002	61.950
CondGaussLRT	100	300	DD	0.08	1.000	0.347	NaN	0.000	62.200
CondGaussLRT	100	500	DD	1.00E-04	1.000	0.448	1.000	0.002	57.000
CondGaussLRT	100	500	DD	0.001	1.000	0.458	1.000	0.006	56.550
CondGaussLRT	100	500	DD	0.01	0.997	0.451	1.000	0.013	56.450
CondGaussLRT	100	500	DD	0.03	0.986	0.435	1.000	0.020	56.800
CondGaussLRT	100	500	DD	0.05	0.982	0.424	0.900	0.022	57.150
CondGaussLRT	100	500	DD	0.08	0.985	0.410	0.900	0.022	57.650
FisherZ	100	100	All	1.00E-04	0.978	0.239	0.977	0.014	230.250
FisherZ	100	100	All	0.001	0.940	0.289	0.961	0.022	225.550
FisherZ	100	100	All	0.01	0.766	0.356	0.977	0.049	234.750
FisherZ	100	100	All	0.03	0.636	0.403	0.852	0.070	255.900
FisherZ	100	100	All	0.05	0.552	0.431	0.758	0.087	280.950
FisherZ	100	100	All	0.08	0.465	0.458	0.642	0.111	321.000
FisherZ	100	300	All	1.00E-04	0.979	0.439	0.969	0.058	228.150
FisherZ	100	300	All	0.001	0.956	0.486	0.978	0.088	218.850
FisherZ	100	300	All	0.01	0.833	0.544	0.934	0.120	225.500
FisherZ	100	300	All	0.03	0.695	0.587	0.776	0.155	253.950
FisherZ	100	300	All	0.05	0.607	0.610	0.751	0.174	287.900
FisherZ	100	300	All	0.08	0.522	0.626	0.673	0.192	337.450
FisherZ	100	500	All	1.00E-04	0.968	0.484	0.978	0.126	210.300
FisherZ	100	500	All	0.001	0.946	0.534	0.970	0.154	203.100
FisherZ	100	500	All	0.01	0.850	0.603	0.926	0.195	208.750
FisherZ	100	500	All	0.03	0.727	0.642	0.859	0.228	237.800
FisherZ	100	500	All	0.05	0.644	0.663	0.829	0.257	266.800
FisherZ	100	500	All	0.08	0.553	0.681	0.741	0.282	316.950
ChiSquare	100	100	All	1.00E-04	0.984	0.168	NaN	0.000	241.700
ChiSquare	100	100	All	0.001	0.966	0.210	NaN	0.000	237.250
ChiSquare	100	100	All	0.01	0.947	0.267	0.500	0.000	231.450
ChiSquare	100	100	All	0.03	0.952	0.320	0.750	0.001	225.300
ChiSquare	100	100	All	0.05	0.955	0.339	0.625	0.002	222.900
ChiSquare	100	100	All	0.08	0.940	0.366	0.688	0.005	220.200
ChiSquare	100	300	All	1.00E-04	0.986	0.421	1.000	0.000	241.000
ChiSquare	100	300	All	0.001	0.984	0.466	1.000	0.000	234.750
ChiSquare	100	300	All	0.01	0.965	0.534	1.000	0.006	226.650
ChiSquare	100	300	All	0.03	0.959	0.578	0.935	0.015	220.400
ChiSquare	100	300	All	0.05	0.951	0.598	0.922	0.021	218.200

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ChiSquare	100	300	All	0.08	0.952	0.622	0.899	0.037	213.100
ChiSquare	100	500	All	1.00E-04	0.990	0.510	1.000	0.006	221.000
ChiSquare	100	500	All	0.001	0.988	0.559	1.000	0.012	214.000
ChiSquare	100	500	All	0.01	0.976	0.624	0.914	0.031	204.000
ChiSquare	100	500	All	0.03	0.967	0.662	0.904	0.043	199.050
ChiSquare	100	500	All	0.05	0.955	0.687	0.887	0.060	196.400
ChiSquare	100	500	All	0.08	0.948	0.706	0.873	0.077	192.950
MultinomialLRT	100	100	All	1.00E-04	0.977	0.434	0.981	0.015	208.000
MultinomialLRT	100	100	All	0.001	0.950	0.507	0.938	0.028	199.800
MultinomialLRT	100	100	All	0.01	0.817	0.596	0.934	0.063	207.200
MultinomialLRT	100	100	All	0.03	0.719	0.649	0.786	0.096	226.800
MultinomialLRT	100	100	All	0.05	0.650	0.679	0.750	0.124	247.550
MultinomialLRT	100	100	All	0.08	0.575	0.697	0.625	0.150	281.350
MultinomialLRT	100	300	All	1.00E-04	0.990	0.697	0.945	0.067	190.450
MultinomialLRT	100	300	All	0.001	0.960	0.757	0.956	0.110	178.450
MultinomialLRT	100	300	All	0.01	0.863	0.818	0.969	0.184	180.200
MultinomialLRT	100	300	All	0.03	0.765	0.846	0.891	0.245	201.350
MultinomialLRT	100	300	All	0.05	0.705	0.857	0.824	0.282	224.250
MultinomialLRT	100	300	All	0.08	0.635	0.870	0.776	0.325	261.050
MultinomialLRT	100	500	All	1.00E-04	0.995	0.790	0.983	0.202	151.250
MultinomialLRT	100	500	All	0.001	0.979	0.834	0.985	0.265	138.950
MultinomialLRT	100	500	All	0.01	0.920	0.880	0.984	0.360	133.600
MultinomialLRT	100	500	All	0.03	0.822	0.905	0.960	0.427	154.500
MultinomialLRT	100	500	All	0.05	0.760	0.912	0.919	0.456	177.000
MultinomialLRT	100	500	All	0.08	0.678	0.921	0.863	0.500	214.950
CondGaussLRT	100	100	All	1.00E-04	0.992	0.234	1.000	0.009	232.800
CondGaussLRT	100	100	All	0.001	0.982	0.252	0.975	0.013	230.350
CondGaussLRT	100	100	All	0.01	0.978	0.261	0.957	0.036	225.750
CondGaussLRT	100	100	All	0.03	0.988	0.273	0.973	0.045	222.150
CondGaussLRT	100	100	All	0.05	0.970	0.284	0.974	0.052	220.800
CondGaussLRT	100	100	All	0.08	0.931	0.294	0.979	0.058	221.150
CondGaussLRT	100	300	All	1.00E-04	0.999	0.474	0.938	0.033	228.900
CondGaussLRT	100	300	All	0.001	0.987	0.491	0.961	0.049	225.950
CondGaussLRT	100	300	All	0.01	0.973	0.502	0.965	0.065	223.550
CondGaussLRT	100	300	All	0.03	0.977	0.494	0.952	0.082	221.950
CondGaussLRT	100	300	All	0.05	0.970	0.490	0.964	0.087	221.850
CondGaussLRT	100	300	All	0.08	0.951	0.477	0.975	0.098	224.400
CondGaussLRT	100	500	All	1.00E-04	0.998	0.551	0.977	0.104	201.400
CondGaussLRT	100	500	All	0.001	0.998	0.571	0.986	0.132	194.850
CondGaussLRT	100	500	All	0.01	0.988	0.577	0.996	0.152	192.450
CondGaussLRT	100	500	All	0.03	0.980	0.577	0.990	0.172	191.100
CondGaussLRT	100	500	All	0.05	0.971	0.576	0.984	0.185	190.850
CondGaussLRT	100	500	All	0.08	0.966	0.568	0.977	0.190	192.150

Table 4: All data for comparison of independence tests split by edge type with 50 and 100 variable, 1.5 density graphs generated using the Lee and Hastie method. This table shows the average result for the parameter value chosen by StARS for each simulation setting.

Algorithm	Num Vars	SS	Type	AP	AR	AHP	AHR	SHD
FisherZ	50	100	CC	0.750	0.845	0.884	0.298	22.350
FisherZ	50	300	CC	0.758	0.919	0.833	0.438	20.250
FisherZ	50	500	CC	0.749	0.940	0.836	0.569	19.050
ChiSquare	50	100	CC	0.944	0.503	0.833	0.010	26.450
ChiSquare	50	300	CC	0.920	0.678	0.775	0.044	25.700
ChiSquare	50	500	CC	0.911	0.796	0.950	0.167	22.050
MultinomialLRT	50	100	CC	0.851	0.851	0.860	0.311	18.550
MultinomialLRT	50	300	CC	0.840	0.904	0.922	0.479	16.350
MultinomialLRT	50	500	CC	0.871	0.936	0.957	0.642	11.950
CondGaussLRT	50	100	CC	0.952	0.758	0.967	0.148	19.000
CondGaussLRT	50	300	CC	0.956	0.847	0.940	0.279	17.500
CondGaussLRT	50	500	CC	0.957	0.910	0.973	0.465	13.050
FisherZ	50	100	CD	0.562	0.385	0.738	0.059	74.100
FisherZ	50	300	CD	0.622	0.547	0.722	0.141	75.600
FisherZ	50	500	CD	0.628	0.611	0.669	0.200	70.650
ChiSquare	50	100	CD	0.930	0.315	0.000	0.000	60.500
ChiSquare	50	300	CD	0.959	0.529	0.654	0.033	58.350
ChiSquare	50	500	CD	0.967	0.641	0.792	0.026	50.100
MultinomialLRT	50	100	CD	0.668	0.686	0.615	0.090	65.350
MultinomialLRT	50	300	CD	0.756	0.811	0.809	0.262	54.650
MultinomialLRT	50	500	CD	0.752	0.892	0.886	0.391	45.850
CondGaussLRT	50	100	CD	0.931	0.163	1.000	0.005	65.000
CondGaussLRT	50	300	CD	0.935	0.378	0.950	0.048	65.200
CondGaussLRT	50	500	CD	0.942	0.489	0.932	0.055	55.750
FisherZ	50	100	DD	0.405	0.319	0.561	0.070	39.350
FisherZ	50	300	DD	0.475	0.447	0.363	0.050	47.750
FisherZ	50	500	DD	0.566	0.602	0.531	0.117	39.900
ChiSquare	50	100	DD	0.911	0.491	0.000	0.000	26.100
ChiSquare	50	300	DD	0.954	0.703	0.833	0.033	27.000
ChiSquare	50	500	DD	0.976	0.847	0.622	0.022	21.900
MultinomialLRT	50	100	DD	0.523	0.690	0.496	0.138	37.600
MultinomialLRT	50	300	DD	0.680	0.911	0.762	0.288	31.100
MultinomialLRT	50	500	DD	0.666	0.970	0.850	0.377	27.700
CondGaussLRT	50	100	DD	1.000	0.249	1.000	0.011	28.100
CondGaussLRT	50	300	DD	0.973	0.336	NaN	0.000	34.450
CondGaussLRT	50	500	DD	0.994	0.414	0.500	0.002	29.900
FisherZ	50	100	All	0.593	0.490	0.787	0.129	135.800
FisherZ	50	300	All	0.628	0.607	0.727	0.190	143.600
FisherZ	50	500	All	0.645	0.687	0.737	0.264	129.600
ChiSquare	50	100	All	0.928	0.399	0.500	0.002	113.050

# EVALUATION OF CAUSAL STRUCTURE LEARNING

ChiSquare	50	300	All	0.944	0.606	0.717	0.036	111.050
ChiSquare	50	500	All	0.955	0.729	0.883	0.055	94.050
MultinomialLRT	50	100	All	0.667	0.721	0.674	0.161	121.500
MultinomialLRT	50	300	All	0.751	0.858	0.821	0.317	102.100
MultinomialLRT	50	500	All	0.750	0.923	0.904	0.445	85.500
CondGaussLRT	50	100	All	0.955	0.329	0.969	0.042	112.100
CondGaussLRT	50	300	All	0.949	0.471	0.925	0.093	117.150
CondGaussLRT	50	500	All	0.949	0.571	0.953	0.137	98.700
FisherZ	100	100	CC	0.697	0.827	0.816	0.302	49.800
FisherZ	100	300	CC	0.688	0.932	0.767	0.469	45.250
FisherZ	100	500	CC	0.744	0.958	0.874	0.600	41.400
ChiSquare	100	100	CC	0.933	0.469	0.625	0.007	52.600
ChiSquare	100	300	CC	0.945	0.671	0.910	0.062	47.400
ChiSquare	100	500	CC	0.926	0.765	0.966	0.145	46.150
MultinomialLRT	100	100	CC	0.783	0.813	0.882	0.263	44.000
MultinomialLRT	100	300	CC	0.789	0.915	0.850	0.500	33.700
MultinomialLRT	100	500	CC	0.872	0.952	0.939	0.665	25.400
CondGaussLRT	100	100	CC	0.968	0.712	0.992	0.121	39.750
CondGaussLRT	100	300	CC	0.944	0.853	0.976	0.310	31.300
CondGaussLRT	100	500	CC	0.976	0.928	0.993	0.504	23.600
FisherZ	100	100	CD	0.435	0.370	0.485	0.056	166.700
FisherZ	100	300	CD	0.536	0.575	0.604	0.128	177.050
FisherZ	100	500	CD	0.549	0.596	0.687	0.201	162.250
ChiSquare	100	100	CD	0.943	0.261	1.000	0.003	116.150
ChiSquare	100	300	CD	0.970	0.564	0.908	0.032	114.100
ChiSquare	100	500	CD	0.962	0.632	0.855	0.064	101.300
MultinomialLRT	100	100	CD	0.572	0.633	0.608	0.102	144.350
MultinomialLRT	100	300	CD	0.644	0.860	0.794	0.286	139.500
MultinomialLRT	100	500	CD	0.683	0.897	0.887	0.431	111.050
CondGaussLRT	100	100	CD	0.948	0.108	0.500	0.001	125.600
CondGaussLRT	100	300	CD	0.936	0.374	0.967	0.049	131.250
CondGaussLRT	100	500	CD	0.959	0.460	0.939	0.096	111.400
FisherZ	100	100	DD	0.261	0.276	0.221	0.023	104.500
FisherZ	100	300	DD	0.321	0.448	0.288	0.062	115.150
FisherZ	100	500	DD	0.379	0.568	0.468	0.106	113.300
ChiSquare	100	100	DD	0.941	0.478	0.750	0.007	51.450
ChiSquare	100	300	DD	0.919	0.692	0.825	0.025	51.850
ChiSquare	100	500	DD	0.957	0.800	0.736	0.042	45.500
MultinomialLRT	100	100	DD	0.449	0.719	0.392	0.126	93.000
MultinomialLRT	100	300	DD	0.518	0.858	0.619	0.246	87.500
MultinomialLRT	100	500	DD	0.545	0.939	0.733	0.459	78.950
CondGaussLRT	100	100	DD	1.000	0.235	0.667	0.002	57.700
CondGaussLRT	100	300	DD	1.000	0.346	NaN	0.000	62.250
CondGaussLRT	100	500	DD	0.985	0.406	0.900	0.021	57.850
FisherZ	100	100	All	0.465	0.458	0.642	0.111	321.000

FisherZ	100	300	All	0.522	0.626	0.673	0.192	337.450
FisherZ	100	500	All	0.553	0.681	0.741	0.282	316.950
ChiSquare	100	100	All	0.940	0.366	0.688	0.005	220.200
ChiSquare	100	300	All	0.950	0.617	0.899	0.037	213.350
ChiSquare	100	500	All	0.949	0.704	0.875	0.078	192.950
MultinomialLRT	100	100	All	0.575	0.697	0.625	0.150	281.350
MultinomialLRT	100	300	All	0.635	0.870	0.773	0.327	260.700
MultinomialLRT	100	500	All	0.678	0.921	0.860	0.497	215.400
CondGaussLRT	100	100	All	0.963	0.288	0.968	0.031	223.050
CondGaussLRT	100	300	All	0.950	0.476	0.975	0.097	224.800
CondGaussLRT	100	500	All	0.970	0.566	0.982	0.184	192.850

Table 5: All data for comparison of independence tests split by edge type with 50 and 100 variable, 1.5 density graphs generated using the Conditional Gaussian method.

Algorithm	Num Vars	SS	Type	Parameter	AP	AR	AHP	AHR	SHD
FisherZ	50	100	CC	1.00E-04	0.975	0.127	NaN	0.000	43.550
FisherZ	50	100	CC	0.001	0.925	0.141	1.000	0.011	43.300
FisherZ	50	100	CC	0.01	0.736	0.172	1.000	0.017	44.400
FisherZ	50	100	CC	0.03	0.647	0.206	0.857	0.019	45.800
FisherZ	50	100	CC	0.05	0.522	0.221	0.750	0.026	49.050
FisherZ	50	100	CC	0.08	0.438	0.241	0.708	0.034	53.500
FisherZ	50	300	CC	1.00E-04	0.983	0.371	0.970	0.066	33.000
FisherZ	50	300	CC	0.001	0.970	0.432	0.875	0.085	32.050
FisherZ	50	300	CC	0.01	0.857	0.497	0.892	0.123	32.100
FisherZ	50	300	CC	0.03	0.754	0.536	0.872	0.140	34.300
FisherZ	50	300	CC	0.05	0.663	0.550	0.762	0.171	37.650
FisherZ	50	300	CC	0.08	0.593	0.575	0.703	0.173	41.800
FisherZ	50	500	CC	1.00E-04	0.996	0.501	0.978	0.116	28.100
FisherZ	50	500	CC	0.001	0.978	0.551	0.978	0.128	27.250
FisherZ	50	500	CC	0.01	0.886	0.598	0.926	0.144	27.950
FisherZ	50	500	CC	0.03	0.777	0.631	0.906	0.152	31.100
FisherZ	50	500	CC	0.05	0.708	0.651	0.840	0.154	33.650
FisherZ	50	500	CC	0.08	0.642	0.683	0.722	0.173	36.950
ChiSquare	50	100	CC	1.00E-04	1.000	0.109	NaN	0.000	43.600
ChiSquare	50	100	CC	0.001	0.975	0.138	NaN	0.000	42.950
ChiSquare	50	100	CC	0.01	0.946	0.176	1.000	0.007	42.550
ChiSquare	50	100	CC	0.03	0.952	0.184	NaN	0.000	42.450
ChiSquare	50	100	CC	0.05	0.876	0.187	1.000	0.001	42.950
ChiSquare	50	100	CC	0.08	0.886	0.207	0.667	0.003	42.650
ChiSquare	50	300	CC	1.00E-04	0.968	0.363	1.000	0.010	34.600
ChiSquare	50	300	CC	0.001	0.946	0.394	1.000	0.008	34.050
ChiSquare	50	300	CC	0.01	0.902	0.459	0.875	0.041	33.200
ChiSquare	50	300	CC	0.03	0.899	0.494	0.879	0.041	32.800
ChiSquare	50	300	CC	0.05	0.872	0.508	0.917	0.052	32.900



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ChiSquare	50	300	CC	0.08	0.869	0.531	0.929	0.067	32.400
ChiSquare	50	500	CC	1.00E-04	0.978	0.485	1.000	0.038	30.350
ChiSquare	50	500	CC	0.001	0.965	0.552	1.000	0.058	29.200
ChiSquare	50	500	CC	0.01	0.915	0.595	0.908	0.094	29.050
ChiSquare	50	500	CC	0.03	0.892	0.622	0.927	0.105	29.150
ChiSquare	50	500	CC	0.05	0.887	0.633	0.870	0.111	29.100
ChiSquare	50	500	CC	0.08	0.873	0.642	0.804	0.129	29.150
MultinomialLRT	50	100	CC	1.00E-04	0.971	0.168	0.000	0.000	42.750
MultinomialLRT	50	100	CC	0.001	0.861	0.190	0.875	0.012	43.200
MultinomialLRT	50	100	CC	0.01	0.754	0.245	0.778	0.020	43.950
MultinomialLRT	50	100	CC	0.03	0.609	0.266	0.808	0.034	47.250
MultinomialLRT	50	100	CC	0.05	0.529	0.285	0.613	0.038	50.150
MultinomialLRT	50	100	CC	0.08	0.445	0.301	0.521	0.041	54.850
MultinomialLRT	50	300	CC	1.00E-04	0.965	0.416	0.889	0.064	32.450
MultinomialLRT	50	300	CC	0.001	0.936	0.457	0.833	0.085	31.900
MultinomialLRT	50	300	CC	0.01	0.829	0.533	0.845	0.132	32.550
MultinomialLRT	50	300	CC	0.03	0.738	0.563	0.772	0.147	35.300
MultinomialLRT	50	300	CC	0.05	0.652	0.577	0.642	0.165	39.000
MultinomialLRT	50	300	CC	0.08	0.588	0.605	0.594	0.192	43.050
MultinomialLRT	50	500	CC	1.00E-04	0.971	0.510	0.978	0.114	28.100
MultinomialLRT	50	500	CC	0.001	0.958	0.572	0.978	0.131	27.200
MultinomialLRT	50	500	CC	0.01	0.878	0.622	0.932	0.147	28.000
MultinomialLRT	50	500	CC	0.03	0.775	0.658	0.932	0.154	31.000
MultinomialLRT	50	500	CC	0.05	0.715	0.673	0.856	0.165	33.750
MultinomialLRT	50	500	CC	0.08	0.642	0.688	0.825	0.190	37.500
CondGaussLRT	50	100	CC	1.00E-04	0.988	0.164	NaN	0.000	42.700
CondGaussLRT	50	100	CC	0.001	1.000	0.173	1.000	0.011	42.250
CondGaussLRT	50	100	CC	0.01	0.854	0.194	1.000	0.019	42.950
CondGaussLRT	50	100	CC	0.03	0.916	0.201	0.833	0.017	42.350
CondGaussLRT	50	100	CC	0.05	0.896	0.213	1.000	0.017	42.350
CondGaussLRT	50	100	CC	0.08	0.874	0.225	0.750	0.022	42.450
CondGaussLRT	50	300	CC	1.00E-04	0.988	0.413	0.889	0.065	32.600
CondGaussLRT	50	300	CC	0.001	0.996	0.457	0.867	0.087	31.300
CondGaussLRT	50	300	CC	0.01	0.979	0.495	0.843	0.132	30.150
CondGaussLRT	50	300	CC	0.03	0.954	0.530	0.824	0.141	29.750
CondGaussLRT	50	300	CC	0.05	0.932	0.546	0.766	0.155	29.900
CondGaussLRT	50	300	CC	0.08	0.907	0.549	0.822	0.167	30.250
CondGaussLRT	50	500	CC	1.00E-04	0.996	0.499	0.958	0.142	27.600
CondGaussLRT	50	500	CC	0.001	0.996	0.537	0.960	0.161	26.700
CondGaussLRT	50	500	CC	0.01	0.970	0.596	0.925	0.198	25.550
CondGaussLRT	50	500	CC	0.03	0.927	0.606	0.887	0.219	25.750
CondGaussLRT	50	500	CC	0.05	0.923	0.614	0.929	0.220	25.900
CondGaussLRT	50	500	CC	0.08	0.894	0.635	0.828	0.244	26.000
FisherZ	50	100	CD	1.00E-04	0.971	0.097	0.333	0.002	91.550
FisherZ	50	100	CD	0.001	0.918	0.120	0.571	0.006	91.000

FisherZ	50	100	CD	0.01	0.714	0.147	0.818	0.017	93.750
FisherZ	50	100	CD	0.03	0.556	0.171	0.857	0.022	99.700
FisherZ	50	100	CD	0.05	0.481	0.186	0.792	0.028	104.800
FisherZ	50	100	CD	0.08	0.424	0.219	0.686	0.039	112.900
FisherZ	50	300	CD	1.00E-04	0.992	0.122	0.833	0.010	83.300
FisherZ	50	300	CD	0.001	0.967	0.146	0.833	0.013	82.400
FisherZ	50	300	CD	0.01	0.660	0.173	0.829	0.020	86.700
FisherZ	50	300	CD	0.03	0.475	0.191	0.590	0.021	95.800
FisherZ	50	300	CD	0.05	0.399	0.202	0.450	0.027	102.900
FisherZ	50	300	CD	0.08	0.325	0.218	0.444	0.036	114.550
FisherZ	50	500	CD	1.00E-04	0.989	0.156	1.000	0.011	73.950
FisherZ	50	500	CD	0.001	0.938	0.176	1.000	0.011	73.500
FisherZ	50	500	CD	0.01	0.723	0.218	0.833	0.014	76.550
FisherZ	50	500	CD	0.03	0.530	0.248	0.767	0.020	84.200
FisherZ	50	500	CD	0.05	0.468	0.272	0.551	0.022	90.000
FisherZ	50	500	CD	0.08	0.371	0.303	0.388	0.031	103.400
ChiSquare	50	100	CD	1.00E-04	0.923	0.091	NaN	0.000	91.750
ChiSquare	50	100	CD	0.001	0.945	0.113	NaN	0.000	91.100
ChiSquare	50	100	CD	0.01	0.898	0.142	NaN	0.000	90.600
ChiSquare	50	100	CD	0.03	0.920	0.162	1.000	0.002	89.350
ChiSquare	50	100	CD	0.05	0.884	0.169	1.000	0.003	89.550
ChiSquare	50	100	CD	0.08	0.855	0.178	0.813	0.007	89.650
ChiSquare	50	300	CD	1.00E-04	0.977	0.150	1.000	0.001	82.650
ChiSquare	50	300	CD	0.001	0.971	0.185	1.000	0.001	81.600
ChiSquare	50	300	CD	0.01	0.925	0.219	1.000	0.013	80.550
ChiSquare	50	300	CD	0.03	0.930	0.254	0.972	0.027	79.000
ChiSquare	50	300	CD	0.05	0.904	0.258	0.889	0.028	79.500
ChiSquare	50	300	CD	0.08	0.857	0.282	0.827	0.036	79.700
ChiSquare	50	500	CD	1.00E-04	0.987	0.213	1.000	0.027	72.050
ChiSquare	50	500	CD	0.001	0.976	0.249	0.969	0.041	70.600
ChiSquare	50	500	CD	0.01	0.938	0.272	0.963	0.054	70.100
ChiSquare	50	500	CD	0.03	0.934	0.312	0.886	0.064	68.950
ChiSquare	50	500	CD	0.05	0.919	0.324	0.872	0.075	68.350
ChiSquare	50	500	CD	0.08	0.892	0.339	0.724	0.088	68.400
MultinomialLRT	50	100	CD	1.00E-04	0.925	0.136	0.250	0.002	90.500
MultinomialLRT	50	100	CD	0.001	0.843	0.158	0.571	0.006	90.950
MultinomialLRT	50	100	CD	0.01	0.699	0.196	0.705	0.014	93.950
MultinomialLRT	50	100	CD	0.03	0.574	0.220	0.733	0.024	99.800
MultinomialLRT	50	100	CD	0.05	0.494	0.235	0.604	0.028	106.350
MultinomialLRT	50	100	CD	0.08	0.434	0.261	0.528	0.043	114.150
MultinomialLRT	50	300	CD	1.00E-04	0.983	0.171	0.679	0.010	81.550
MultinomialLRT	50	300	CD	0.001	0.922	0.205	0.667	0.012	81.700
MultinomialLRT	50	300	CD	0.01	0.667	0.237	0.581	0.023	87.050
MultinomialLRT	50	300	CD	0.03	0.510	0.267	0.492	0.031	96.450
MultinomialLRT	50	300	CD	0.05	0.437	0.280	0.361	0.033	104.850

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MultinomialLRT	50	300	CD	0.08	0.375	0.303	0.283	0.045	115.900
MultinomialLRT	50	500	CD	1.00E-04	0.949	0.221	1.000	0.011	72.400
MultinomialLRT	50	500	CD	0.001	0.853	0.243	0.833	0.013	73.400
MultinomialLRT	50	500	CD	0.01	0.667	0.289	0.853	0.020	78.100
MultinomialLRT	50	500	CD	0.03	0.524	0.315	0.677	0.027	87.250
MultinomialLRT	50	500	CD	0.05	0.437	0.329	0.518	0.035	96.450
MultinomialLRT	50	500	CD	0.08	0.374	0.349	0.367	0.053	107.650
CondGaussLRT	50	100	CD	1.00E-04	0.937	0.132	0.000	0.000	90.300
CondGaussLRT	50	100	CD	0.001	0.896	0.153	0.250	0.001	90.300
CondGaussLRT	50	100	CD	0.01	0.872	0.169	0.818	0.015	89.600
CondGaussLRT	50	100	CD	0.03	0.866	0.171	0.900	0.016	89.250
CondGaussLRT	50	100	CD	0.05	0.861	0.175	0.879	0.018	89.250
CondGaussLRT	50	100	CD	0.08	0.854	0.186	0.835	0.025	88.600
CondGaussLRT	50	300	CD	1.00E-04	0.971	0.217	0.750	0.019	79.750
CondGaussLRT	50	300	CD	0.001	0.940	0.254	0.810	0.027	78.700
CondGaussLRT	50	300	CD	0.01	0.892	0.277	0.844	0.044	78.500
CondGaussLRT	50	300	CD	0.03	0.841	0.288	0.830	0.051	79.550
CondGaussLRT	50	300	CD	0.05	0.837	0.295	0.840	0.060	79.250
CondGaussLRT	50	300	CD	0.08	0.801	0.299	0.753	0.055	80.700
CondGaussLRT	50	500	CD	1.00E-04	0.947	0.303	0.872	0.034	68.950
CondGaussLRT	50	500	CD	0.001	0.961	0.337	0.844	0.054	67.150
CondGaussLRT	50	500	CD	0.01	0.920	0.381	0.888	0.057	66.750
CondGaussLRT	50	500	CD	0.03	0.882	0.395	0.830	0.072	66.800
CondGaussLRT	50	500	CD	0.05	0.877	0.404	0.884	0.077	66.600
CondGaussLRT	50	500	CD	0.08	0.828	0.406	0.776	0.073	68.350
FisherZ	50	100	DD	1.00E-04	1.000	0.100	1.000	0.004	45.600
FisherZ	50	100	DD	0.001	0.965	0.123	1.000	0.005	45.250
FisherZ	50	100	DD	0.01	0.777	0.160	1.000	0.019	45.950
FisherZ	50	100	DD	0.03	0.549	0.179	1.000	0.022	49.850
FisherZ	50	100	DD	0.05	0.468	0.196	1.000	0.029	52.550
FisherZ	50	100	DD	0.08	0.392	0.210	0.656	0.036	56.500
FisherZ	50	300	DD	1.00E-04	1.000	0.204	1.000	0.013	38.850
FisherZ	50	300	DD	0.001	0.988	0.236	1.000	0.013	38.300
FisherZ	50	300	DD	0.01	0.889	0.313	1.000	0.021	38.450
FisherZ	50	300	DD	0.03	0.725	0.327	0.813	0.023	41.750
FisherZ	50	300	DD	0.05	0.591	0.334	0.636	0.039	46.200
FisherZ	50	300	DD	0.08	0.478	0.349	0.601	0.043	52.500
FisherZ	50	500	DD	1.00E-04	0.937	0.265	1.000	0.021	33.650
FisherZ	50	500	DD	0.001	0.881	0.307	1.000	0.021	33.700
FisherZ	50	500	DD	0.01	0.765	0.379	0.833	0.036	35.150
FisherZ	50	500	DD	0.03	0.616	0.435	0.657	0.045	39.750
FisherZ	50	500	DD	0.05	0.528	0.460	0.515	0.052	44.350
FisherZ	50	500	DD	0.08	0.443	0.489	0.361	0.061	51.400
ChiSquare	50	100	DD	1.00E-04	1.000	0.087	NaN	0.000	45.950
ChiSquare	50	100	DD	0.001	0.935	0.117	NaN	0.000	45.650

ChiSquare	50	100	DD	0.01	0.934	0.131	NaN	0.000	45.400
ChiSquare	50	100	DD	0.03	0.917	0.149	NaN	0.000	45.100
ChiSquare	50	100	DD	0.05	0.895	0.163	NaN	0.000	45.050
ChiSquare	50	100	DD	0.08	0.919	0.183	1.000	0.006	44.350
ChiSquare	50	300	DD	1.00E-04	0.990	0.293	1.000	0.007	37.300
ChiSquare	50	300	DD	0.001	0.993	0.317	1.000	0.010	36.600
ChiSquare	50	300	DD	0.01	0.953	0.378	1.000	0.039	35.300
ChiSquare	50	300	DD	0.03	0.922	0.415	0.923	0.074	34.600
ChiSquare	50	300	DD	0.05	0.909	0.428	0.897	0.084	34.300
ChiSquare	50	300	DD	0.08	0.898	0.446	0.948	0.099	34.150
ChiSquare	50	500	DD	1.00E-04	0.988	0.430	0.958	0.057	29.800
ChiSquare	50	500	DD	0.001	0.962	0.491	0.917	0.114	27.900
ChiSquare	50	500	DD	0.01	0.910	0.531	0.964	0.166	27.350
ChiSquare	50	500	DD	0.03	0.899	0.554	0.965	0.205	26.250
ChiSquare	50	500	DD	0.05	0.888	0.563	0.910	0.213	26.250
ChiSquare	50	500	DD	0.08	0.878	0.587	0.963	0.240	25.650
MultinomialLRT	50	100	DD	1.00E-04	0.912	0.143	1.000	0.004	45.100
MultinomialLRT	50	100	DD	0.001	0.901	0.188	1.000	0.005	44.500
MultinomialLRT	50	100	DD	0.01	0.716	0.217	1.000	0.023	46.350
MultinomialLRT	50	100	DD	0.03	0.609	0.244	0.803	0.029	48.550
MultinomialLRT	50	100	DD	0.05	0.516	0.260	0.667	0.036	52.000
MultinomialLRT	50	100	DD	0.08	0.431	0.262	0.489	0.043	56.550
MultinomialLRT	50	300	DD	1.00E-04	0.967	0.366	0.600	0.011	36.450
MultinomialLRT	50	300	DD	0.001	0.945	0.407	0.643	0.018	35.750
MultinomialLRT	50	300	DD	0.01	0.818	0.472	0.782	0.047	37.550
MultinomialLRT	50	300	DD	0.03	0.707	0.520	0.589	0.050	41.050
MultinomialLRT	50	300	DD	0.05	0.598	0.529	0.618	0.061	46.150
MultinomialLRT	50	300	DD	0.08	0.527	0.545	0.491	0.090	50.700
MultinomialLRT	50	500	DD	1.00E-04	0.968	0.485	1.000	0.032	29.400
MultinomialLRT	50	500	DD	0.001	0.928	0.525	0.833	0.051	28.950
MultinomialLRT	50	500	DD	0.01	0.802	0.568	0.788	0.069	30.950
MultinomialLRT	50	500	DD	0.03	0.690	0.613	0.703	0.075	35.000
MultinomialLRT	50	500	DD	0.05	0.611	0.641	0.701	0.089	38.800
MultinomialLRT	50	500	DD	0.08	0.527	0.670	0.518	0.107	45.500
CondGaussLRT	50	100	DD	1.00E-04	1.000	0.142	NaN	0.000	44.800
CondGaussLRT	50	100	DD	0.001	0.934	0.159	NaN	0.000	44.700
CondGaussLRT	50	100	DD	0.01	0.909	0.171	1.000	0.014	44.500
CondGaussLRT	50	100	DD	0.03	0.901	0.166	1.000	0.014	44.600
CondGaussLRT	50	100	DD	0.05	0.935	0.169	1.000	0.019	44.150
CondGaussLRT	50	100	DD	0.08	0.917	0.182	0.952	0.027	43.900
CondGaussLRT	50	300	DD	1.00E-04	0.988	0.288	1.000	0.025	37.000
CondGaussLRT	50	300	DD	0.001	0.961	0.349	1.000	0.033	35.950
CondGaussLRT	50	300	DD	0.01	0.977	0.381	1.000	0.059	34.650
CondGaussLRT	50	300	DD	0.03	0.966	0.414	0.950	0.084	33.750
CondGaussLRT	50	300	DD	0.05	0.949	0.417	0.933	0.074	34.250

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CondGaussLRT	50	300	DD	0.08	0.933	0.425	0.875	0.058	34.900
CondGaussLRT	50	500	DD	1.00E-04	0.989	0.447	0.944	0.053	29.550
CondGaussLRT	50	500	DD	0.001	0.974	0.488	0.938	0.089	28.600
CondGaussLRT	50	500	DD	0.01	0.926	0.533	0.886	0.113	28.150
CondGaussLRT	50	500	DD	0.03	0.929	0.559	0.891	0.135	27.450
CondGaussLRT	50	500	DD	0.05	0.895	0.571	0.936	0.132	27.800
CondGaussLRT	50	500	DD	0.08	0.893	0.570	0.808	0.121	28.150
FisherZ	50	100	All	1.00E-04	0.978	0.100	0.333	0.002	180.700
FisherZ	50	100	All	0.001	0.930	0.122	0.688	0.007	179.550
FisherZ	50	100	All	0.01	0.732	0.153	0.885	0.018	184.100
FisherZ	50	100	All	0.03	0.576	0.179	0.906	0.022	195.350
FisherZ	50	100	All	0.05	0.488	0.193	0.856	0.028	206.400
FisherZ	50	100	All	0.08	0.417	0.218	0.703	0.037	222.900
FisherZ	50	300	All	1.00E-04	0.994	0.198	0.958	0.025	155.150
FisherZ	50	300	All	0.001	0.977	0.231	0.872	0.031	152.750
FisherZ	50	300	All	0.01	0.814	0.279	0.888	0.045	157.250
FisherZ	50	300	All	0.03	0.646	0.301	0.839	0.051	171.850
FisherZ	50	300	All	0.05	0.542	0.312	0.672	0.064	186.750
FisherZ	50	300	All	0.08	0.450	0.331	0.626	0.070	208.850
FisherZ	50	500	All	1.00E-04	0.978	0.268	0.978	0.039	135.700
FisherZ	50	500	All	0.001	0.946	0.300	0.978	0.042	134.450
FisherZ	50	500	All	0.01	0.803	0.354	0.932	0.051	139.650
FisherZ	50	500	All	0.03	0.648	0.390	0.854	0.059	155.050
FisherZ	50	500	All	0.05	0.568	0.413	0.698	0.062	168.000
FisherZ	50	500	All	0.08	0.474	0.442	0.526	0.074	191.750
ChiSquare	50	100	All	1.00E-04	0.974	0.092	NaN	0.000	181.300
ChiSquare	50	100	All	0.001	0.952	0.117	NaN	0.000	179.700
ChiSquare	50	100	All	0.01	0.919	0.144	1.000	0.001	178.550
ChiSquare	50	100	All	0.03	0.922	0.162	1.000	0.001	176.900
ChiSquare	50	100	All	0.05	0.884	0.169	1.000	0.002	177.550
ChiSquare	50	100	All	0.08	0.877	0.183	0.813	0.006	176.650
ChiSquare	50	300	All	1.00E-04	0.983	0.232	1.000	0.005	154.550
ChiSquare	50	300	All	0.001	0.974	0.263	1.000	0.005	152.250
ChiSquare	50	300	All	0.01	0.935	0.312	0.967	0.026	149.050
ChiSquare	50	300	All	0.03	0.918	0.348	0.944	0.042	146.400
ChiSquare	50	300	All	0.05	0.901	0.357	0.909	0.049	146.700
ChiSquare	50	300	All	0.08	0.880	0.379	0.915	0.061	146.250
ChiSquare	50	500	All	1.00E-04	0.985	0.332	0.981	0.035	132.200
ChiSquare	50	500	All	0.001	0.970	0.380	0.970	0.062	127.700
ChiSquare	50	500	All	0.01	0.925	0.413	0.945	0.090	126.500
ChiSquare	50	500	All	0.03	0.910	0.445	0.925	0.107	124.350
ChiSquare	50	500	All	0.05	0.900	0.456	0.895	0.116	123.700
ChiSquare	50	500	All	0.08	0.884	0.472	0.837	0.134	123.200
MultinomialLRT	50	100	All	1.00E-04	0.942	0.141	0.250	0.002	178.350
MultinomialLRT	50	100	All	0.001	0.862	0.168	0.667	0.007	178.650

MultinomialLRT	50	100	All	0.01	0.714	0.209	0.818	0.018	184.250
MultinomialLRT	50	100	All	0.03	0.590	0.234	0.786	0.028	195.600
MultinomialLRT	50	100	All	0.05	0.508	0.250	0.606	0.033	208.500
MultinomialLRT	50	100	All	0.08	0.437	0.268	0.521	0.043	225.550
MultinomialLRT	50	300	All	1.00E-04	0.974	0.274	0.813	0.024	150.450
MultinomialLRT	50	300	All	0.001	0.935	0.311	0.825	0.031	149.350
MultinomialLRT	50	300	All	0.01	0.774	0.359	0.827	0.054	157.150
MultinomialLRT	50	300	All	0.03	0.644	0.394	0.711	0.063	172.800
MultinomialLRT	50	300	All	0.05	0.550	0.405	0.578	0.071	190.000
MultinomialLRT	50	300	All	0.08	0.481	0.428	0.471	0.090	209.650
MultinomialLRT	50	500	All	1.00E-04	0.966	0.357	0.979	0.041	129.900
MultinomialLRT	50	500	All	0.001	0.922	0.390	0.901	0.051	129.550
MultinomialLRT	50	500	All	0.01	0.786	0.438	0.849	0.063	137.050
MultinomialLRT	50	500	All	0.03	0.653	0.472	0.780	0.069	153.250
MultinomialLRT	50	500	All	0.05	0.570	0.491	0.681	0.079	169.000
MultinomialLRT	50	500	All	0.08	0.493	0.513	0.572	0.097	190.650
CondGaussLRT	50	100	All	1.00E-04	0.968	0.138	0.000	0.000	177.800
CondGaussLRT	50	100	All	0.001	0.926	0.156	0.500	0.003	177.250
CondGaussLRT	50	100	All	0.01	0.874	0.173	0.875	0.016	177.050
CondGaussLRT	50	100	All	0.03	0.886	0.175	0.932	0.016	176.200
CondGaussLRT	50	100	All	0.05	0.885	0.181	0.942	0.018	175.750
CondGaussLRT	50	100	All	0.08	0.873	0.192	0.880	0.025	174.950
CondGaussLRT	50	300	All	1.00E-04	0.982	0.277	0.911	0.032	149.350
CondGaussLRT	50	300	All	0.001	0.964	0.321	0.927	0.044	145.950
CondGaussLRT	50	300	All	0.01	0.940	0.350	0.930	0.068	143.300
CondGaussLRT	50	300	All	0.03	0.908	0.371	0.908	0.079	143.050
CondGaussLRT	50	300	All	0.05	0.897	0.380	0.865	0.085	143.400
CondGaussLRT	50	300	All	0.08	0.866	0.385	0.837	0.081	145.850
CondGaussLRT	50	500	All	1.00E-04	0.975	0.388	0.944	0.064	126.100
CondGaussLRT	50	500	All	0.001	0.977	0.422	0.933	0.086	122.450
CondGaussLRT	50	500	All	0.01	0.940	0.470	0.909	0.105	120.450
CondGaussLRT	50	500	All	0.03	0.915	0.486	0.875	0.124	120.000
CondGaussLRT	50	500	All	0.05	0.900	0.495	0.913	0.125	120.300
CondGaussLRT	50	500	All	0.08	0.874	0.500	0.824	0.126	122.500
FisherZ	100	100	CC	1.00E-04	0.983	0.120	1.000	0.009	93.650
FisherZ	100	100	CC	0.001	0.882	0.150	1.000	0.013	93.500
FisherZ	100	100	CC	0.01	0.673	0.183	1.000	0.024	97.800
FisherZ	100	100	CC	0.03	0.521	0.209	0.932	0.029	105.700
FisherZ	100	100	CC	0.05	0.428	0.229	0.775	0.039	115.250
FisherZ	100	100	CC	0.08	0.346	0.242	0.558	0.053	128.600
FisherZ	100	300	CC	1.00E-04	0.979	0.299	1.000	0.066	69.750
FisherZ	100	300	CC	0.001	0.947	0.329	0.933	0.082	68.700
FisherZ	100	300	CC	0.01	0.773	0.377	0.902	0.106	72.350
FisherZ	100	300	CC	0.03	0.566	0.399	0.785	0.124	85.250
FisherZ	100	300	CC	0.05	0.464	0.411	0.621	0.125	98.000

## EVALUATION OF CAUSAL STRUCTURE LEARNING

FisherZ	100	300	CC	0.08	0.396	0.438	0.568	0.132	113.300
FisherZ	100	500	CC	1.00E-04	0.995	0.400	0.985	0.088	60.900
FisherZ	100	500	CC	0.001	0.975	0.432	0.985	0.096	59.900
FisherZ	100	500	CC	0.01	0.822	0.471	0.983	0.107	63.950
FisherZ	100	500	CC	0.03	0.635	0.508	0.889	0.136	75.200
FisherZ	100	500	CC	0.05	0.535	0.527	0.775	0.156	87.150
FisherZ	100	500	CC	0.08	0.446	0.546	0.614	0.180	104.000
ChiSquare	100	100	CC	1.00E-04	0.946	0.086	NaN	0.000	96.100
ChiSquare	100	100	CC	0.001	0.909	0.114	NaN	0.000	95.600
ChiSquare	100	100	CC	0.01	0.927	0.136	1.000	0.001	94.200
ChiSquare	100	100	CC	0.03	0.908	0.144	0.500	0.001	94.300
ChiSquare	100	100	CC	0.05	0.898	0.155	0.500	0.001	94.050
ChiSquare	100	100	CC	0.08	0.846	0.163	0.500	0.005	94.700
ChiSquare	100	300	CC	1.00E-04	0.991	0.306	0.750	0.007	71.450
ChiSquare	100	300	CC	0.001	0.970	0.343	1.000	0.021	69.950
ChiSquare	100	300	CC	0.01	0.956	0.392	1.000	0.033	68.350
ChiSquare	100	300	CC	0.03	0.954	0.416	1.000	0.051	67.100
ChiSquare	100	300	CC	0.05	0.924	0.420	0.967	0.050	68.150
ChiSquare	100	300	CC	0.08	0.909	0.436	0.913	0.061	67.800
ChiSquare	100	500	CC	1.00E-04	0.987	0.407	1.000	0.024	63.650
ChiSquare	100	500	CC	0.001	0.965	0.433	1.000	0.039	62.900
ChiSquare	100	500	CC	0.01	0.958	0.485	0.926	0.058	60.800
ChiSquare	100	500	CC	0.03	0.936	0.519	0.846	0.072	60.000
ChiSquare	100	500	CC	0.05	0.931	0.532	0.879	0.082	59.500
ChiSquare	100	500	CC	0.08	0.908	0.556	0.888	0.120	58.550
MultinomialLRT	100	100	CC	1.00E-04	0.950	0.145	1.000	0.009	93.350
MultinomialLRT	100	100	CC	0.001	0.846	0.177	1.000	0.015	93.900
MultinomialLRT	100	100	CC	0.01	0.626	0.220	0.787	0.024	100.500
MultinomialLRT	100	100	CC	0.03	0.451	0.235	0.608	0.028	113.950
MultinomialLRT	100	100	CC	0.05	0.409	0.255	0.485	0.044	120.450
MultinomialLRT	100	100	CC	0.08	0.351	0.273	0.474	0.049	132.650
MultinomialLRT	100	300	CC	1.00E-04	0.953	0.350	0.973	0.063	68.400
MultinomialLRT	100	300	CC	0.001	0.902	0.383	0.907	0.081	68.150
MultinomialLRT	100	300	CC	0.01	0.713	0.432	0.854	0.109	75.050
MultinomialLRT	100	300	CC	0.03	0.572	0.459	0.637	0.123	87.900
MultinomialLRT	100	300	CC	0.05	0.488	0.470	0.588	0.131	99.750
MultinomialLRT	100	300	CC	0.08	0.423	0.492	0.461	0.153	114.300
MultinomialLRT	100	500	CC	1.00E-04	0.977	0.463	0.985	0.097	58.700
MultinomialLRT	100	500	CC	0.001	0.920	0.492	0.985	0.103	59.300
MultinomialLRT	100	500	CC	0.01	0.782	0.550	0.937	0.120	64.650
MultinomialLRT	100	500	CC	0.03	0.637	0.579	0.766	0.158	75.850
MultinomialLRT	100	500	CC	0.05	0.547	0.587	0.722	0.183	86.650
MultinomialLRT	100	500	CC	0.08	0.473	0.607	0.599	0.200	101.550
CondGaussLRT	100	100	CC	1.00E-04	0.972	0.145	1.000	0.009	92.750
CondGaussLRT	100	100	CC	0.001	0.899	0.168	1.000	0.014	92.750

CondGaussLRT	100	100	CC	0.01	0.867	0.174	1.000	0.016	93.150
CondGaussLRT	100	100	CC	0.03	0.865	0.179	1.000	0.022	93.000
CondGaussLRT	100	100	CC	0.05	0.835	0.202	0.981	0.031	92.700
CondGaussLRT	100	100	CC	0.08	0.802	0.210	0.981	0.036	93.050
CondGaussLRT	100	300	CC	1.00E-04	0.968	0.366	0.985	0.078	66.850
CondGaussLRT	100	300	CC	0.001	0.950	0.394	0.939	0.098	65.800
CondGaussLRT	100	300	CC	0.01	0.932	0.430	0.912	0.124	64.000
CondGaussLRT	100	300	CC	0.03	0.910	0.449	0.933	0.131	64.150
CondGaussLRT	100	300	CC	0.05	0.901	0.452	0.920	0.136	64.250
CondGaussLRT	100	300	CC	0.08	0.880	0.454	0.855	0.152	64.900
CondGaussLRT	100	500	CC	1.00E-04	0.992	0.471	0.967	0.119	57.150
CondGaussLRT	100	500	CC	0.001	0.979	0.501	0.985	0.148	55.350
CondGaussLRT	100	500	CC	0.01	0.967	0.529	0.988	0.173	53.800
CondGaussLRT	100	500	CC	0.03	0.937	0.556	0.921	0.201	53.600
CondGaussLRT	100	500	CC	0.05	0.911	0.566	0.917	0.200	54.800
CondGaussLRT	100	500	CC	0.08	0.880	0.564	0.957	0.211	55.800
FisherZ	100	100	CD	1.00E-04	0.972	0.091	0.857	0.005	194.650
FisherZ	100	100	CD	0.001	0.889	0.109	0.962	0.010	194.250
FisherZ	100	100	CD	0.01	0.615	0.136	0.956	0.018	204.150
FisherZ	100	100	CD	0.03	0.436	0.160	0.889	0.031	223.850
FisherZ	100	100	CD	0.05	0.360	0.171	0.730	0.034	241.550
FisherZ	100	100	CD	0.08	0.299	0.186	0.517	0.040	265.800
FisherZ	100	300	CD	1.00E-04	0.979	0.154	0.987	0.026	161.750
FisherZ	100	300	CD	0.001	0.912	0.184	0.989	0.034	160.700
FisherZ	100	300	CD	0.01	0.659	0.228	0.919	0.042	172.550
FisherZ	100	300	CD	0.03	0.489	0.262	0.708	0.049	195.650
FisherZ	100	300	CD	0.05	0.389	0.283	0.528	0.054	223.800
FisherZ	100	300	CD	0.08	0.316	0.301	0.412	0.060	259.450
FisherZ	100	500	CD	1.00E-04	0.963	0.214	1.000	0.031	140.100
FisherZ	100	500	CD	0.001	0.924	0.234	0.929	0.035	140.150
FisherZ	100	500	CD	0.01	0.679	0.276	0.917	0.040	151.050
FisherZ	100	500	CD	0.03	0.472	0.307	0.729	0.046	178.200
FisherZ	100	500	CD	0.05	0.384	0.330	0.518	0.049	204.700
FisherZ	100	500	CD	0.08	0.296	0.343	0.370	0.060	246.600
ChiSquare	100	100	CD	1.00E-04	0.987	0.081	NaN	0.000	195.950
ChiSquare	100	100	CD	0.001	0.938	0.098	NaN	0.000	195.500
ChiSquare	100	100	CD	0.01	0.907	0.115	1.000	0.002	194.400
ChiSquare	100	100	CD	0.03	0.918	0.125	1.000	0.002	193.400
ChiSquare	100	100	CD	0.05	0.908	0.136	0.750	0.002	193.050
ChiSquare	100	100	CD	0.08	0.832	0.149	0.458	0.002	194.800
ChiSquare	100	300	CD	1.00E-04	0.986	0.179	1.000	0.006	161.800
ChiSquare	100	300	CD	0.001	0.968	0.213	1.000	0.014	158.850
ChiSquare	100	300	CD	0.01	0.951	0.246	1.000	0.025	156.100
ChiSquare	100	300	CD	0.03	0.937	0.263	0.934	0.033	154.800
ChiSquare	100	300	CD	0.05	0.945	0.276	0.908	0.041	152.850



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ChiSquare	100	300	CD	0.08	0.908	0.304	0.889	0.056	151.650
ChiSquare	100	500	CD	1.00E-04	0.968	0.260	1.000	0.015	138.550
ChiSquare	100	500	CD	0.001	0.954	0.293	0.983	0.030	135.800
ChiSquare	100	500	CD	0.01	0.938	0.327	0.993	0.052	132.950
ChiSquare	100	500	CD	0.03	0.924	0.355	0.982	0.082	129.900
ChiSquare	100	500	CD	0.05	0.890	0.365	0.947	0.088	131.000
ChiSquare	100	500	CD	0.08	0.865	0.378	0.924	0.100	131.000
MultinomialLRT	100	100	CD	1.00E-04	0.898	0.117	0.833	0.004	194.250
MultinomialLRT	100	100	CD	0.001	0.767	0.138	0.900	0.011	196.850
MultinomialLRT	100	100	CD	0.01	0.551	0.174	0.868	0.021	211.550
MultinomialLRT	100	100	CD	0.03	0.422	0.199	0.692	0.033	233.750
MultinomialLRT	100	100	CD	0.05	0.357	0.213	0.508	0.037	253.550
MultinomialLRT	100	100	CD	0.08	0.310	0.227	0.360	0.045	275.850
MultinomialLRT	100	300	CD	1.00E-04	0.941	0.220	0.987	0.027	157.550
MultinomialLRT	100	300	CD	0.001	0.827	0.252	0.925	0.037	160.050
MultinomialLRT	100	300	CD	0.01	0.642	0.291	0.861	0.049	174.700
MultinomialLRT	100	300	CD	0.03	0.493	0.333	0.668	0.066	201.550
MultinomialLRT	100	300	CD	0.05	0.404	0.349	0.526	0.069	231.500
MultinomialLRT	100	300	CD	0.08	0.339	0.366	0.414	0.083	264.350
MultinomialLRT	100	500	CD	1.00E-04	0.960	0.289	1.000	0.037	134.900
MultinomialLRT	100	500	CD	0.001	0.865	0.312	0.974	0.042	137.900
MultinomialLRT	100	500	CD	0.01	0.605	0.356	0.756	0.054	159.100
MultinomialLRT	100	500	CD	0.03	0.442	0.389	0.545	0.066	194.700
MultinomialLRT	100	500	CD	0.05	0.366	0.408	0.444	0.071	227.000
MultinomialLRT	100	500	CD	0.08	0.304	0.426	0.317	0.079	267.050
CondGaussLRT	100	100	CD	1.00E-04	0.979	0.111	0.857	0.004	193.000
CondGaussLRT	100	100	CD	0.001	0.886	0.130	0.964	0.011	193.100
CondGaussLRT	100	100	CD	0.01	0.905	0.142	0.956	0.019	191.150
CondGaussLRT	100	100	CD	0.03	0.901	0.144	0.956	0.023	190.400
CondGaussLRT	100	100	CD	0.05	0.865	0.153	0.958	0.027	190.600
CondGaussLRT	100	100	CD	0.08	0.812	0.160	0.956	0.029	191.950
CondGaussLRT	100	300	CD	1.00E-04	0.982	0.233	0.880	0.035	155.150
CondGaussLRT	100	300	CD	0.001	0.959	0.267	0.961	0.052	151.850
CondGaussLRT	100	300	CD	0.01	0.926	0.304	0.929	0.070	149.250
CondGaussLRT	100	300	CD	0.03	0.905	0.320	0.911	0.079	148.950
CondGaussLRT	100	300	CD	0.05	0.880	0.329	0.927	0.089	149.200
CondGaussLRT	100	300	CD	0.08	0.858	0.331	0.863	0.087	151.300
CondGaussLRT	100	500	CD	1.00E-04	0.979	0.339	0.972	0.069	128.150
CondGaussLRT	100	500	CD	0.001	0.961	0.366	0.963	0.084	126.250
CondGaussLRT	100	500	CD	0.01	0.915	0.398	0.911	0.102	125.650
CondGaussLRT	100	500	CD	0.03	0.886	0.422	0.878	0.106	126.500
CondGaussLRT	100	500	CD	0.05	0.876	0.428	0.852	0.111	126.950
CondGaussLRT	100	500	CD	0.08	0.839	0.431	0.815	0.110	130.050
FisherZ	100	100	DD	1.00E-04	0.954	0.095	1.000	0.008	95.900
FisherZ	100	100	DD	0.001	0.826	0.114	1.000	0.015	96.000

FisherZ	100	100	DD	0.01	0.627	0.154	1.000	0.023	99.600
FisherZ	100	100	DD	0.03	0.458	0.176	0.885	0.031	109.350
FisherZ	100	100	DD	0.05	0.375	0.188	0.750	0.036	118.850
FisherZ	100	100	DD	0.08	0.310	0.203	0.599	0.047	129.550
FisherZ	100	300	DD	1.00E-04	0.972	0.201	1.000	0.034	80.150
FisherZ	100	300	DD	0.001	0.929	0.242	1.000	0.043	79.100
FisherZ	100	300	DD	0.01	0.749	0.291	0.974	0.053	83.200
FisherZ	100	300	DD	0.03	0.520	0.329	0.763	0.070	98.200
FisherZ	100	300	DD	0.05	0.434	0.350	0.633	0.080	110.850
FisherZ	100	300	DD	0.08	0.361	0.370	0.505	0.095	127.300
FisherZ	100	500	DD	1.00E-04	0.974	0.228	1.000	0.026	73.100
FisherZ	100	500	DD	0.001	0.933	0.272	0.955	0.030	72.550
FisherZ	100	500	DD	0.01	0.695	0.328	0.889	0.034	79.700
FisherZ	100	500	DD	0.03	0.504	0.377	0.652	0.045	95.450
FisherZ	100	500	DD	0.05	0.395	0.402	0.508	0.055	113.450
FisherZ	100	500	DD	0.08	0.316	0.418	0.435	0.068	135.850
ChiSquare	100	100	DD	1.00E-04	0.948	0.083	NaN	0.000	96.650
ChiSquare	100	100	DD	0.001	0.916	0.107	NaN	0.000	96.150
ChiSquare	100	100	DD	0.01	0.887	0.114	0.000	0.000	96.150
ChiSquare	100	100	DD	0.03	0.907	0.137	0.000	0.000	95.200
ChiSquare	100	100	DD	0.05	0.918	0.144	1.000	0.002	94.950
ChiSquare	100	100	DD	0.08	0.840	0.156	0.750	0.003	95.450
ChiSquare	100	300	DD	1.00E-04	0.997	0.257	1.000	0.008	79.100
ChiSquare	100	300	DD	0.001	0.980	0.283	1.000	0.020	77.950
ChiSquare	100	300	DD	0.01	0.966	0.316	0.988	0.040	76.050
ChiSquare	100	300	DD	0.03	0.954	0.336	0.985	0.049	75.300
ChiSquare	100	300	DD	0.05	0.924	0.349	0.984	0.061	75.300
ChiSquare	100	300	DD	0.08	0.886	0.363	0.969	0.074	75.600
ChiSquare	100	500	DD	1.00E-04	0.985	0.330	0.978	0.031	68.750
ChiSquare	100	500	DD	0.001	0.956	0.361	0.972	0.047	67.700
ChiSquare	100	500	DD	0.01	0.934	0.400	0.944	0.082	65.950
ChiSquare	100	500	DD	0.03	0.938	0.432	0.955	0.101	63.950
ChiSquare	100	500	DD	0.05	0.922	0.453	0.910	0.111	63.800
ChiSquare	100	500	DD	0.08	0.899	0.467	0.896	0.124	63.700
MultinomialLRT	100	100	DD	1.00E-04	0.885	0.131	1.000	0.008	95.000
MultinomialLRT	100	100	DD	0.001	0.763	0.149	1.000	0.016	96.300
MultinomialLRT	100	100	DD	0.01	0.607	0.190	0.733	0.023	101.200
MultinomialLRT	100	100	DD	0.03	0.435	0.214	0.523	0.030	114.850
MultinomialLRT	100	100	DD	0.05	0.381	0.227	0.487	0.037	123.000
MultinomialLRT	100	100	DD	0.08	0.333	0.244	0.437	0.049	133.750
MultinomialLRT	100	300	DD	1.00E-04	0.974	0.294	1.000	0.037	76.350
MultinomialLRT	100	300	DD	0.001	0.901	0.329	0.877	0.049	76.750
MultinomialLRT	100	300	DD	0.01	0.732	0.391	0.881	0.066	82.400
MultinomialLRT	100	300	DD	0.03	0.547	0.427	0.653	0.082	98.250
MultinomialLRT	100	300	DD	0.05	0.480	0.441	0.600	0.090	109.150

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MultinomialLRT	100	300	DD	0.08	0.406	0.468	0.542	0.119	125.150
MultinomialLRT	100	500	DD	1.00E-04	0.967	0.404	0.979	0.031	66.350
MultinomialLRT	100	500	DD	0.001	0.905	0.460	0.887	0.040	67.050
MultinomialLRT	100	500	DD	0.01	0.714	0.515	0.819	0.066	75.950
MultinomialLRT	100	500	DD	0.03	0.556	0.556	0.591	0.094	92.400
MultinomialLRT	100	500	DD	0.05	0.470	0.581	0.496	0.102	108.350
MultinomialLRT	100	500	DD	0.08	0.397	0.605	0.405	0.114	127.400
CondGaussLRT	100	100	DD	1.00E-04	0.948	0.119	1.000	0.006	94.850
CondGaussLRT	100	100	DD	0.001	0.911	0.128	1.000	0.011	94.650
CondGaussLRT	100	100	DD	0.01	0.900	0.147	1.000	0.019	93.800
CondGaussLRT	100	100	DD	0.03	0.871	0.147	1.000	0.022	94.250
CondGaussLRT	100	100	DD	0.05	0.857	0.153	1.000	0.031	93.900
CondGaussLRT	100	100	DD	0.08	0.837	0.158	0.949	0.035	94.200
CondGaussLRT	100	300	DD	1.00E-04	0.983	0.287	0.990	0.039	76.300
CondGaussLRT	100	300	DD	0.001	0.969	0.305	1.000	0.056	75.200
CondGaussLRT	100	300	DD	0.01	0.954	0.340	0.992	0.076	73.450
CondGaussLRT	100	300	DD	0.03	0.927	0.364	0.964	0.090	72.800
CondGaussLRT	100	300	DD	0.05	0.906	0.365	0.939	0.093	73.450
CondGaussLRT	100	300	DD	0.08	0.883	0.375	0.936	0.094	74.050
CondGaussLRT	100	500	DD	1.00E-04	0.987	0.384	0.980	0.078	65.550
CondGaussLRT	100	500	DD	0.001	0.972	0.430	0.973	0.111	63.200
CondGaussLRT	100	500	DD	0.01	0.959	0.466	0.936	0.142	61.650
CondGaussLRT	100	500	DD	0.03	0.942	0.473	0.927	0.135	62.150
CondGaussLRT	100	500	DD	0.05	0.917	0.475	0.868	0.136	63.050
CondGaussLRT	100	500	DD	0.08	0.904	0.491	0.872	0.136	63.100
FisherZ	100	100	All	1.00E-04	0.976	0.098	0.944	0.007	384.200
FisherZ	100	100	All	0.001	0.889	0.120	0.983	0.012	383.750
FisherZ	100	100	All	0.01	0.647	0.151	0.981	0.020	401.550
FisherZ	100	100	All	0.03	0.472	0.175	0.901	0.030	438.900
FisherZ	100	100	All	0.05	0.386	0.188	0.768	0.035	475.650
FisherZ	100	100	All	0.08	0.317	0.202	0.560	0.044	523.950
FisherZ	100	300	All	1.00E-04	0.979	0.200	0.995	0.038	311.650
FisherZ	100	300	All	0.001	0.933	0.233	0.988	0.048	308.500
FisherZ	100	300	All	0.01	0.729	0.280	0.952	0.062	328.100
FisherZ	100	300	All	0.03	0.531	0.312	0.822	0.074	379.100
FisherZ	100	300	All	0.05	0.428	0.330	0.688	0.079	432.650
FisherZ	100	300	All	0.08	0.351	0.350	0.528	0.087	500.050
FisherZ	100	500	All	1.00E-04	0.979	0.264	0.986	0.044	274.100
FisherZ	100	500	All	0.001	0.946	0.292	0.925	0.049	272.600
FisherZ	100	500	All	0.01	0.743	0.337	0.951	0.055	294.700
FisherZ	100	500	All	0.03	0.540	0.374	0.826	0.068	348.850
FisherZ	100	500	All	0.05	0.436	0.396	0.651	0.077	405.300
FisherZ	100	500	All	0.08	0.344	0.412	0.482	0.091	486.450
ChiSquare	100	100	All	1.00E-04	0.967	0.082	NaN	0.000	388.700
ChiSquare	100	100	All	0.001	0.919	0.103	NaN	0.000	387.250

ChiSquare	100	100	All	0.01	0.906	0.119	0.875	0.001	384.750
ChiSquare	100	100	All	0.03	0.907	0.131	0.625	0.001	382.900
ChiSquare	100	100	All	0.05	0.902	0.141	0.600	0.002	382.050
ChiSquare	100	100	All	0.08	0.839	0.153	0.475	0.002	384.950
ChiSquare	100	300	All	1.00E-04	0.989	0.227	0.950	0.006	312.350
ChiSquare	100	300	All	0.001	0.972	0.260	1.000	0.017	306.750
ChiSquare	100	300	All	0.01	0.956	0.296	0.994	0.030	300.500
ChiSquare	100	300	All	0.03	0.943	0.316	0.970	0.041	297.200
ChiSquare	100	300	All	0.05	0.930	0.327	0.941	0.047	296.300
ChiSquare	100	300	All	0.08	0.901	0.348	0.938	0.061	295.050
ChiSquare	100	500	All	1.00E-04	0.981	0.316	0.990	0.022	270.950
ChiSquare	100	500	All	0.001	0.961	0.346	0.985	0.038	266.400
ChiSquare	100	500	All	0.01	0.944	0.385	0.966	0.062	259.700
ChiSquare	100	500	All	0.03	0.932	0.416	0.946	0.085	253.850
ChiSquare	100	500	All	0.05	0.913	0.429	0.928	0.093	254.300
ChiSquare	100	500	All	0.08	0.889	0.445	0.896	0.111	253.250
MultinomialLRT	100	100	All	1.00E-04	0.914	0.126	0.938	0.007	382.600
MultinomialLRT	100	100	All	0.001	0.794	0.148	0.959	0.013	387.050
MultinomialLRT	100	100	All	0.01	0.589	0.188	0.808	0.022	413.250
MultinomialLRT	100	100	All	0.03	0.435	0.210	0.629	0.031	462.550
MultinomialLRT	100	100	All	0.05	0.378	0.225	0.490	0.038	497.000
MultinomialLRT	100	100	All	0.08	0.327	0.241	0.392	0.046	542.250
MultinomialLRT	100	300	All	1.00E-04	0.961	0.268	0.987	0.039	302.300
MultinomialLRT	100	300	All	0.001	0.877	0.302	0.958	0.052	304.950
MultinomialLRT	100	300	All	0.01	0.694	0.350	0.911	0.069	332.150
MultinomialLRT	100	300	All	0.03	0.531	0.387	0.709	0.085	387.700
MultinomialLRT	100	300	All	0.05	0.443	0.401	0.610	0.090	440.400
MultinomialLRT	100	300	All	0.08	0.375	0.422	0.491	0.110	503.800
MultinomialLRT	100	500	All	1.00E-04	0.969	0.363	0.983	0.050	259.950
MultinomialLRT	100	500	All	0.001	0.899	0.395	0.952	0.057	264.250
MultinomialLRT	100	500	All	0.01	0.696	0.446	0.861	0.074	299.700
MultinomialLRT	100	500	All	0.03	0.531	0.480	0.671	0.096	362.950
MultinomialLRT	100	500	All	0.05	0.444	0.498	0.574	0.107	422.000
MultinomialLRT	100	500	All	0.08	0.372	0.518	0.450	0.118	496.000
CondGaussLRT	100	100	All	1.00E-04	0.972	0.120	0.944	0.006	380.600
CondGaussLRT	100	100	All	0.001	0.906	0.137	0.983	0.012	380.500
CondGaussLRT	100	100	All	0.01	0.896	0.149	0.979	0.018	378.100
CondGaussLRT	100	100	All	0.03	0.885	0.152	0.978	0.022	377.650
CondGaussLRT	100	100	All	0.05	0.856	0.163	0.970	0.028	377.200
CondGaussLRT	100	100	All	0.08	0.817	0.170	0.956	0.032	379.200
CondGaussLRT	100	300	All	1.00E-04	0.981	0.278	0.951	0.047	298.300
CondGaussLRT	100	300	All	0.001	0.960	0.305	0.968	0.064	292.850
CondGaussLRT	100	300	All	0.01	0.937	0.342	0.960	0.084	286.700
CondGaussLRT	100	300	All	0.03	0.912	0.361	0.932	0.095	285.900
CondGaussLRT	100	300	All	0.05	0.892	0.367	0.925	0.102	286.900

CondGaussLRT	100	300	All	0.08	0.868	0.371	0.891	0.105	290.250
CondGaussLRT	100	500	All	1.00E-04	0.985	0.383	0.964	0.083	250.850
CondGaussLRT	100	500	All	0.001	0.970	0.414	0.964	0.105	244.800
CondGaussLRT	100	500	All	0.01	0.942	0.447	0.931	0.128	241.100
CondGaussLRT	100	500	All	0.03	0.915	0.467	0.902	0.135	242.250
CondGaussLRT	100	500	All	0.05	0.894	0.472	0.888	0.138	244.800
CondGaussLRT	100	500	All	0.08	0.867	0.478	0.876	0.140	248.950

Table 6: All data for comparison of independence tests split by edge type with 50 and 100 variable, 1.5 density graphs generated using the Lee and Hastie method.

Algorithm	Num Vars	SS	Type	Parameter	AP	AR	AHP	AHR	SHD
FisherZ	50	100	CC	1.00E-04	0.992	0.663	0.778	0.056	22.350
FisherZ	50	100	CC	0.001	0.993	0.719	0.909	0.091	20.600
FisherZ	50	100	CC	0.01	0.936	0.792	0.961	0.176	18.700
FisherZ	50	100	CC	0.03	0.860	0.816	0.954	0.217	19.900
FisherZ	50	100	CC	0.05	0.806	0.835	0.939	0.257	20.650
FisherZ	50	100	CC	0.08	0.750	0.845	0.884	0.298	22.350
FisherZ	50	300	CC	1.00E-04	0.974	0.816	0.922	0.203	18.900
FisherZ	50	300	CC	0.001	0.951	0.833	0.937	0.239	18.400
FisherZ	50	300	CC	0.01	0.909	0.880	0.916	0.334	17.250
FisherZ	50	300	CC	0.03	0.857	0.893	0.862	0.364	17.900
FisherZ	50	300	CC	0.05	0.802	0.909	0.872	0.404	19.000
FisherZ	50	300	CC	0.08	0.755	0.919	0.791	0.438	20.650
FisherZ	50	500	CC	1.00E-04	0.929	0.886	0.967	0.315	16.450
FisherZ	50	500	CC	0.001	0.925	0.904	0.978	0.370	15.300
FisherZ	50	500	CC	0.01	0.876	0.933	0.965	0.508	14.450
FisherZ	50	500	CC	0.03	0.823	0.938	0.886	0.536	15.650
FisherZ	50	500	CC	0.05	0.785	0.938	0.841	0.542	17.550
FisherZ	50	500	CC	0.08	0.730	0.940	0.811	0.577	20.100
ChiSquare	50	100	CC	1.00E-04	0.963	0.256	NaN	0.000	29.650
ChiSquare	50	100	CC	0.001	0.973	0.300	NaN	0.000	29.100
ChiSquare	50	100	CC	0.01	0.961	0.428	NaN	0.000	27.400
ChiSquare	50	100	CC	0.03	0.967	0.460	NaN	0.000	27.050
ChiSquare	50	100	CC	0.05	0.968	0.466	0.667	0.005	26.900
ChiSquare	50	100	CC	0.08	0.944	0.503	0.833	0.010	26.450
ChiSquare	50	300	CC	1.00E-04	0.986	0.534	NaN	0.000	27.400
ChiSquare	50	300	CC	0.001	0.984	0.582	0.500	0.002	26.550
ChiSquare	50	300	CC	0.01	0.972	0.620	0.500	0.008	25.950
ChiSquare	50	300	CC	0.03	0.931	0.653	0.650	0.019	26.100
ChiSquare	50	300	CC	0.05	0.941	0.661	0.550	0.016	25.800
ChiSquare	50	300	CC	0.08	0.920	0.678	0.775	0.044	25.700
ChiSquare	50	500	CC	1.00E-04	0.994	0.641	1.000	0.059	24.450
ChiSquare	50	500	CC	0.001	0.985	0.680	1.000	0.079	23.600
ChiSquare	50	500	CC	0.01	0.958	0.734	0.922	0.088	23.100

ChiSquare	50	500	CC	0.03	0.929	0.766	0.845	0.116	23.050
ChiSquare	50	500	CC	0.05	0.906	0.778	0.962	0.150	22.550
ChiSquare	50	500	CC	0.08	0.916	0.796	0.953	0.169	21.900
MultinomialLRT	50	100	CC	1.00E-04	0.995	0.615	0.900	0.027	23.400
MultinomialLRT	50	100	CC	0.001	0.996	0.697	0.955	0.091	20.900
MultinomialLRT	50	100	CC	0.01	0.955	0.761	0.944	0.146	19.650
MultinomialLRT	50	100	CC	0.03	0.922	0.784	0.872	0.209	19.000
MultinomialLRT	50	100	CC	0.05	0.884	0.821	0.850	0.234	19.050
MultinomialLRT	50	100	CC	0.08	0.851	0.851	0.860	0.311	18.550
MultinomialLRT	50	300	CC	1.00E-04	0.990	0.780	0.903	0.208	19.450
MultinomialLRT	50	300	CC	0.001	0.985	0.811	0.884	0.280	18.000
MultinomialLRT	50	300	CC	0.01	0.985	0.853	0.950	0.362	15.450
MultinomialLRT	50	300	CC	0.03	0.921	0.870	0.944	0.408	15.600
MultinomialLRT	50	300	CC	0.05	0.896	0.889	0.940	0.445	15.150
MultinomialLRT	50	300	CC	0.08	0.837	0.904	0.922	0.479	16.650
MultinomialLRT	50	500	CC	1.00E-04	0.987	0.863	0.971	0.429	14.350
MultinomialLRT	50	500	CC	0.001	0.988	0.899	0.971	0.521	11.900
MultinomialLRT	50	500	CC	0.01	0.971	0.919	0.987	0.578	10.450
MultinomialLRT	50	500	CC	0.03	0.949	0.919	0.985	0.596	10.600
MultinomialLRT	50	500	CC	0.05	0.890	0.930	0.966	0.624	11.650
MultinomialLRT	50	500	CC	0.08	0.852	0.936	0.940	0.642	12.750
CondGaussLRT	50	100	CC	1.00E-04	0.995	0.598	1.000	0.023	23.800
CondGaussLRT	50	100	CC	0.001	0.995	0.664	0.929	0.063	22.100
CondGaussLRT	50	100	CC	0.01	0.959	0.745	0.951	0.122	20.050
CondGaussLRT	50	100	CC	0.03	0.980	0.782	0.958	0.178	18.100
CondGaussLRT	50	100	CC	0.05	0.965	0.805	0.962	0.202	17.550
CondGaussLRT	50	100	CC	0.08	0.929	0.827	0.965	0.239	17.050
CondGaussLRT	50	300	CC	1.00E-04	0.991	0.753	0.899	0.160	20.750
CondGaussLRT	50	300	CC	0.001	0.987	0.779	0.865	0.181	19.950
CondGaussLRT	50	300	CC	0.01	0.976	0.812	0.878	0.228	18.650
CondGaussLRT	50	300	CC	0.03	0.993	0.837	0.931	0.260	17.300
CondGaussLRT	50	300	CC	0.05	0.976	0.846	0.938	0.284	16.950
CondGaussLRT	50	300	CC	0.08	0.957	0.861	0.946	0.302	16.450
CondGaussLRT	50	500	CC	1.00E-04	0.989	0.853	0.984	0.321	16.050
CondGaussLRT	50	500	CC	0.001	0.990	0.876	0.977	0.377	14.700
CondGaussLRT	50	500	CC	0.01	0.987	0.896	0.980	0.428	13.200
CondGaussLRT	50	500	CC	0.03	0.976	0.905	0.976	0.465	12.700
CondGaussLRT	50	500	CC	0.05	0.961	0.913	0.975	0.476	12.650
CondGaussLRT	50	500	CC	0.08	0.954	0.920	0.969	0.476	12.850
FisherZ	50	100	CD	1.00E-04	1.000	0.161	NaN	0.000	64.100
FisherZ	50	100	CD	0.001	0.960	0.221	1.000	0.003	62.300
FisherZ	50	100	CD	0.01	0.817	0.293	0.952	0.020	62.650
FisherZ	50	100	CD	0.03	0.721	0.338	0.744	0.030	64.950
FisherZ	50	100	CD	0.05	0.652	0.365	0.828	0.049	67.700
FisherZ	50	100	CD	0.08	0.562	0.385	0.738	0.059	74.100

## EVALUATION OF CAUSAL STRUCTURE LEARNING

FisherZ	50	300	CD	1.00E-04	0.982	0.330	1.000	0.010	64.950
FisherZ	50	300	CD	0.001	0.973	0.383	0.950	0.020	63.000
FisherZ	50	300	CD	0.01	0.888	0.457	0.819	0.057	62.100
FisherZ	50	300	CD	0.03	0.768	0.498	0.835	0.095	65.900
FisherZ	50	300	CD	0.05	0.677	0.514	0.784	0.112	71.000
FisherZ	50	300	CD	0.08	0.618	0.547	0.735	0.147	76.500
FisherZ	50	500	CD	1.00E-04	0.968	0.386	0.958	0.037	57.850
FisherZ	50	500	CD	0.001	0.943	0.445	0.973	0.061	55.850
FisherZ	50	500	CD	0.01	0.869	0.520	0.876	0.100	55.850
FisherZ	50	500	CD	0.03	0.753	0.552	0.717	0.146	61.100
FisherZ	50	500	CD	0.05	0.687	0.585	0.650	0.173	65.800
FisherZ	50	500	CD	0.08	0.622	0.615	0.648	0.206	71.700
ChiSquare	50	100	CD	1.00E-04	1.000	0.107	NaN	0.000	66.050
ChiSquare	50	100	CD	0.001	1.000	0.163	NaN	0.000	64.700
ChiSquare	50	100	CD	0.01	0.978	0.228	NaN	0.000	62.550
ChiSquare	50	100	CD	0.03	0.929	0.254	NaN	0.000	61.850
ChiSquare	50	100	CD	0.05	0.957	0.279	0.250	0.001	60.950
ChiSquare	50	100	CD	0.08	0.955	0.311	0.000	0.000	60.450
ChiSquare	50	300	CD	1.00E-04	0.997	0.338	0.500	0.005	64.700
ChiSquare	50	300	CD	0.001	0.997	0.378	1.000	0.005	63.250
ChiSquare	50	300	CD	0.01	0.973	0.439	0.556	0.007	61.850
ChiSquare	50	300	CD	0.03	0.969	0.480	0.738	0.012	60.250
ChiSquare	50	300	CD	0.05	0.982	0.502	0.833	0.022	58.950
ChiSquare	50	300	CD	0.08	0.974	0.547	0.654	0.033	57.650
ChiSquare	50	500	CD	1.00E-04	0.997	0.429	NaN	0.000	57.200
ChiSquare	50	500	CD	0.001	0.991	0.485	1.000	0.002	55.300
ChiSquare	50	500	CD	0.01	0.987	0.552	0.667	0.006	52.950
ChiSquare	50	500	CD	0.03	0.987	0.595	0.833	0.009	51.450
ChiSquare	50	500	CD	0.05	0.977	0.617	1.000	0.019	50.600
ChiSquare	50	500	CD	0.08	0.968	0.643	0.773	0.033	49.850
MultinomialLRT	50	100	CD	1.00E-04	0.996	0.412	NaN	0.000	56.800
MultinomialLRT	50	100	CD	0.001	0.976	0.487	0.571	0.007	54.100
MultinomialLRT	50	100	CD	0.01	0.861	0.586	0.792	0.025	54.500
MultinomialLRT	50	100	CD	0.03	0.771	0.641	0.806	0.050	57.350
MultinomialLRT	50	100	CD	0.05	0.730	0.668	0.644	0.070	59.700
MultinomialLRT	50	100	CD	0.08	0.668	0.686	0.615	0.090	65.350
MultinomialLRT	50	300	CD	1.00E-04	0.998	0.613	1.000	0.052	52.850
MultinomialLRT	50	300	CD	0.001	0.994	0.680	0.922	0.087	49.800
MultinomialLRT	50	300	CD	0.01	0.943	0.749	0.981	0.152	46.700
MultinomialLRT	50	300	CD	0.03	0.857	0.783	0.935	0.203	48.900
MultinomialLRT	50	300	CD	0.05	0.814	0.800	0.855	0.234	50.350
MultinomialLRT	50	300	CD	0.08	0.752	0.811	0.809	0.262	55.250
MultinomialLRT	50	500	CD	1.00E-04	0.993	0.742	0.976	0.139	41.250
MultinomialLRT	50	500	CD	0.001	0.982	0.778	0.974	0.184	38.800
MultinomialLRT	50	500	CD	0.01	0.910	0.832	0.965	0.266	37.950

MultinomialLRT	50	500	CD	0.03	0.858	0.865	0.976	0.316	38.650
MultinomialLRT	50	500	CD	0.05	0.807	0.877	0.898	0.350	42.150
MultinomialLRT	50	500	CD	0.08	0.746	0.892	0.890	0.395	47.000
CondGaussLRT	50	100	CD	1.00E-04	1.000	0.175	NaN	0.000	65.150
CondGaussLRT	50	100	CD	0.001	1.000	0.188	1.000	0.002	64.800
CondGaussLRT	50	100	CD	0.01	0.923	0.156	1.000	0.006	65.350
CondGaussLRT	50	100	CD	0.03	0.983	0.144	1.000	0.005	64.950
CondGaussLRT	50	100	CD	0.05	0.983	0.130	1.000	0.009	65.050
CondGaussLRT	50	100	CD	0.08	0.963	0.138	1.000	0.009	64.950
CondGaussLRT	50	300	CD	1.00E-04	1.000	0.367	1.000	0.002	64.050
CondGaussLRT	50	300	CD	0.001	0.991	0.378	1.000	0.003	64.300
CondGaussLRT	50	300	CD	0.01	0.980	0.381	1.000	0.016	64.350
CondGaussLRT	50	300	CD	0.03	0.955	0.381	1.000	0.028	64.950
CondGaussLRT	50	300	CD	0.05	0.930	0.376	0.962	0.046	65.400
CondGaussLRT	50	300	CD	0.08	0.934	0.372	0.958	0.049	65.300
CondGaussLRT	50	500	CD	1.00E-04	1.000	0.475	1.000	0.018	55.100
CondGaussLRT	50	500	CD	0.001	1.000	0.482	0.972	0.025	54.900
CondGaussLRT	50	500	CD	0.01	0.982	0.481	0.946	0.036	55.250
CondGaussLRT	50	500	CD	0.03	0.960	0.488	0.914	0.054	55.150
CondGaussLRT	50	500	CD	0.05	0.956	0.491	0.892	0.055	55.100
CondGaussLRT	50	500	CD	0.08	0.930	0.482	0.912	0.062	56.300
FisherZ	50	100	DD	1.00E-04	1.000	0.099	NaN	0.000	30.000
FisherZ	50	100	DD	0.001	0.938	0.137	1.000	0.003	29.450
FisherZ	50	100	DD	0.01	0.690	0.211	1.000	0.012	30.250
FisherZ	50	100	DD	0.03	0.587	0.259	0.600	0.014	32.800
FisherZ	50	100	DD	0.05	0.487	0.275	0.800	0.018	35.900
FisherZ	50	100	DD	0.08	0.405	0.319	0.561	0.070	39.350
FisherZ	50	300	DD	1.00E-04	0.963	0.195	NaN	0.000	35.950
FisherZ	50	300	DD	0.001	0.959	0.252	1.000	0.002	35.000
FisherZ	50	300	DD	0.01	0.804	0.333	0.708	0.010	35.850
FisherZ	50	300	DD	0.03	0.638	0.390	0.688	0.026	39.250
FisherZ	50	300	DD	0.05	0.558	0.421	0.674	0.037	42.200
FisherZ	50	300	DD	0.08	0.469	0.447	0.363	0.050	48.350
FisherZ	50	500	DD	1.00E-04	0.965	0.286	0.000	0.000	31.550
FisherZ	50	500	DD	0.001	0.943	0.383	0.833	0.007	30.300
FisherZ	50	500	DD	0.01	0.853	0.482	0.688	0.019	30.400
FisherZ	50	500	DD	0.03	0.705	0.539	0.604	0.061	33.300
FisherZ	50	500	DD	0.05	0.643	0.565	0.607	0.103	35.650
FisherZ	50	500	DD	0.08	0.562	0.612	0.560	0.117	40.850
ChiSquare	50	100	DD	1.00E-04	1.000	0.254	NaN	0.000	28.350
ChiSquare	50	100	DD	0.001	1.000	0.308	NaN	0.000	27.850
ChiSquare	50	100	DD	0.01	0.961	0.406	NaN	0.000	26.700
ChiSquare	50	100	DD	0.03	0.943	0.445	NaN	0.000	26.250
ChiSquare	50	100	DD	0.05	0.947	0.472	NaN	0.000	25.750
ChiSquare	50	100	DD	0.08	0.911	0.491	0.000	0.000	26.100



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ChiSquare	50	300	DD	1.00E-04	0.994	0.490	0.000	0.000	31.000
ChiSquare	50	300	DD	0.001	0.996	0.532	NaN	0.000	29.850
ChiSquare	50	300	DD	0.01	0.987	0.610	1.000	0.009	28.450
ChiSquare	50	300	DD	0.03	0.960	0.645	0.500	0.009	28.600
ChiSquare	50	300	DD	0.05	0.953	0.700	0.750	0.017	27.650
ChiSquare	50	300	DD	0.08	0.963	0.717	0.850	0.043	26.700
ChiSquare	50	500	DD	1.00E-04	0.993	0.630	NaN	0.000	25.650
ChiSquare	50	500	DD	0.001	0.989	0.681	NaN	0.000	24.750
ChiSquare	50	500	DD	0.01	0.985	0.746	0.500	0.002	23.550
ChiSquare	50	500	DD	0.03	0.972	0.802	1.000	0.014	22.950
ChiSquare	50	500	DD	0.05	0.977	0.822	0.933	0.020	22.350
ChiSquare	50	500	DD	0.08	0.970	0.852	0.660	0.025	21.950
MultinomialLRT	50	100	DD	1.00E-04	0.985	0.425	NaN	0.000	26.150
MultinomialLRT	50	100	DD	0.001	0.926	0.511	0.667	0.007	25.400
MultinomialLRT	50	100	DD	0.01	0.772	0.578	0.778	0.034	27.350
MultinomialLRT	50	100	DD	0.03	0.665	0.626	0.652	0.060	30.750
MultinomialLRT	50	100	DD	0.05	0.575	0.641	0.584	0.114	33.500
MultinomialLRT	50	100	DD	0.08	0.523	0.690	0.496	0.138	37.600
MultinomialLRT	50	300	DD	1.00E-04	1.000	0.730	1.000	0.058	24.900
MultinomialLRT	50	300	DD	0.001	0.989	0.793	0.964	0.095	23.400
MultinomialLRT	50	300	DD	0.01	0.924	0.850	1.000	0.145	23.100
MultinomialLRT	50	300	DD	0.03	0.822	0.877	0.917	0.227	24.650
MultinomialLRT	50	300	DD	0.05	0.755	0.893	0.818	0.265	26.900
MultinomialLRT	50	300	DD	0.08	0.677	0.911	0.762	0.288	31.300
MultinomialLRT	50	500	DD	1.00E-04	0.997	0.869	0.942	0.085	19.600
MultinomialLRT	50	500	DD	0.001	0.997	0.910	0.875	0.131	18.050
MultinomialLRT	50	500	DD	0.01	0.922	0.949	0.935	0.214	17.400
MultinomialLRT	50	500	DD	0.03	0.813	0.957	0.934	0.290	20.250
MultinomialLRT	50	500	DD	0.05	0.724	0.961	0.900	0.354	24.100
MultinomialLRT	50	500	DD	0.08	0.660	0.970	0.815	0.367	28.550
CondGaussLRT	50	100	DD	1.00E-04	1.000	0.160	NaN	0.000	29.600
CondGaussLRT	50	100	DD	0.001	1.000	0.220	1.000	0.005	28.900
CondGaussLRT	50	100	DD	0.01	1.000	0.231	1.000	0.008	28.500
CondGaussLRT	50	100	DD	0.03	1.000	0.253	1.000	0.005	28.200
CondGaussLRT	50	100	DD	0.05	1.000	0.238	1.000	0.005	28.300
CondGaussLRT	50	100	DD	0.08	1.000	0.264	1.000	0.011	28.000
CondGaussLRT	50	300	DD	1.00E-04	1.000	0.366	NaN	0.000	33.350
CondGaussLRT	50	300	DD	0.001	1.000	0.350	NaN	0.000	33.850
CondGaussLRT	50	300	DD	0.01	0.984	0.341	NaN	0.000	34.300
CondGaussLRT	50	300	DD	0.03	0.979	0.336	1.000	0.003	34.500
CondGaussLRT	50	300	DD	0.05	0.983	0.324	1.000	0.003	34.500
CondGaussLRT	50	300	DD	0.08	0.973	0.334	NaN	0.000	34.500
CondGaussLRT	50	500	DD	1.00E-04	1.000	0.433	NaN	0.000	29.400
CondGaussLRT	50	500	DD	0.001	1.000	0.464	1.000	0.002	28.850
CondGaussLRT	50	500	DD	0.01	0.992	0.455	1.000	0.004	29.300

CondGaussLRT	50	500	DD	0.03	0.994	0.433	0.500	0.005	29.600
CondGaussLRT	50	500	DD	0.05	0.994	0.431	0.500	0.007	29.600
CondGaussLRT	50	500	DD	0.08	0.993	0.417	0.625	0.009	29.750
FisherZ	50	100	All	1.00E-04	0.992	0.272	0.778	0.014	116.450
FisherZ	50	100	All	0.001	0.981	0.327	0.917	0.025	112.350
FisherZ	50	100	All	0.01	0.857	0.402	0.960	0.058	111.600
FisherZ	50	100	All	0.03	0.744	0.441	0.869	0.074	117.650
FisherZ	50	100	All	0.05	0.671	0.468	0.916	0.095	124.250
FisherZ	50	100	All	0.08	0.593	0.490	0.787	0.129	135.800
FisherZ	50	300	All	1.00E-04	0.978	0.405	0.932	0.055	119.800
FisherZ	50	300	All	0.001	0.965	0.450	0.949	0.069	116.400
FisherZ	50	300	All	0.01	0.884	0.521	0.890	0.111	115.200
FisherZ	50	300	All	0.03	0.772	0.561	0.832	0.141	123.050
FisherZ	50	300	All	0.05	0.695	0.581	0.802	0.163	132.200
FisherZ	50	300	All	0.08	0.624	0.607	0.732	0.193	145.500
FisherZ	50	500	All	1.00E-04	0.949	0.481	0.960	0.094	105.850
FisherZ	50	500	All	0.001	0.934	0.539	0.966	0.122	101.450
FisherZ	50	500	All	0.01	0.867	0.610	0.912	0.174	100.700
FisherZ	50	500	All	0.03	0.764	0.641	0.795	0.215	110.050
FisherZ	50	500	All	0.05	0.703	0.664	0.755	0.239	119.000
FisherZ	50	500	All	0.08	0.636	0.691	0.722	0.270	132.650
ChiSquare	50	100	All	1.00E-04	0.988	0.177	NaN	0.000	124.050
ChiSquare	50	100	All	0.001	0.992	0.225	NaN	0.000	121.650
ChiSquare	50	100	All	0.01	0.968	0.312	NaN	0.000	116.650
ChiSquare	50	100	All	0.03	0.946	0.345	NaN	0.000	115.150
ChiSquare	50	100	All	0.05	0.953	0.367	0.500	0.002	113.600
ChiSquare	50	100	All	0.08	0.932	0.397	0.500	0.002	113.000
ChiSquare	50	300	All	1.00E-04	0.993	0.416	0.500	0.002	123.100
ChiSquare	50	300	All	0.001	0.993	0.461	0.750	0.003	119.650
ChiSquare	50	300	All	0.01	0.974	0.523	0.750	0.008	116.250
ChiSquare	50	300	All	0.03	0.953	0.559	0.642	0.013	114.950
ChiSquare	50	300	All	0.05	0.959	0.586	0.708	0.020	112.400
ChiSquare	50	300	All	0.08	0.955	0.619	0.732	0.038	110.050
ChiSquare	50	500	All	1.00E-04	0.996	0.528	1.000	0.011	107.300
ChiSquare	50	500	All	0.001	0.988	0.579	1.000	0.015	103.650
ChiSquare	50	500	All	0.01	0.980	0.643	0.867	0.020	99.600
ChiSquare	50	500	All	0.03	0.968	0.685	0.897	0.031	97.450
ChiSquare	50	500	All	0.05	0.958	0.705	0.958	0.047	95.500
ChiSquare	50	500	All	0.08	0.954	0.731	0.882	0.060	93.700
MultinomialLRT	50	100	All	1.00E-04	0.993	0.456	0.900	0.007	106.350
MultinomialLRT	50	100	All	0.001	0.970	0.537	0.910	0.027	100.400
MultinomialLRT	50	100	All	0.01	0.862	0.616	0.801	0.057	101.500
MultinomialLRT	50	100	All	0.03	0.773	0.661	0.788	0.090	107.100
MultinomialLRT	50	100	All	0.05	0.724	0.693	0.692	0.120	112.250
MultinomialLRT	50	100	All	0.08	0.667	0.721	0.674	0.161	121.500

# EVALUATION OF CAUSAL STRUCTURE LEARNING

MultinomialLRT	50	300	All	1.00E-04	0.996	0.680	0.939	0.091	97.200
MultinomialLRT	50	300	All	0.001	0.990	0.737	0.924	0.135	91.200
MultinomialLRT	50	300	All	0.01	0.944	0.796	0.971	0.198	85.250
MultinomialLRT	50	300	All	0.03	0.860	0.826	0.931	0.255	89.150
MultinomialLRT	50	300	All	0.05	0.815	0.843	0.864	0.288	92.400
MultinomialLRT	50	300	All	0.08	0.748	0.858	0.821	0.317	103.200
MultinomialLRT	50	500	All	1.00E-04	0.992	0.803	0.968	0.189	75.200
MultinomialLRT	50	500	All	0.001	0.985	0.840	0.970	0.246	68.750
MultinomialLRT	50	500	All	0.01	0.925	0.883	0.972	0.325	65.800
MultinomialLRT	50	500	All	0.03	0.863	0.901	0.965	0.374	69.500
MultinomialLRT	50	500	All	0.05	0.800	0.912	0.919	0.414	77.900
MultinomialLRT	50	500	All	0.08	0.742	0.923	0.885	0.445	88.300
CondGaussLRT	50	100	All	1.00E-04	0.997	0.272	1.000	0.005	118.550
CondGaussLRT	50	100	All	0.001	0.997	0.310	0.938	0.018	115.800
CondGaussLRT	50	100	All	0.01	0.956	0.319	0.955	0.035	113.900
CondGaussLRT	50	100	All	0.03	0.983	0.327	0.961	0.048	111.250
CondGaussLRT	50	100	All	0.05	0.973	0.326	0.964	0.058	110.900
CondGaussLRT	50	100	All	0.08	0.952	0.340	0.968	0.068	110.000
CondGaussLRT	50	300	All	1.00E-04	0.996	0.452	0.899	0.039	118.150
CondGaussLRT	50	300	All	0.001	0.988	0.459	0.865	0.045	118.100
CondGaussLRT	50	300	All	0.01	0.980	0.466	0.885	0.063	117.300
CondGaussLRT	50	300	All	0.03	0.968	0.472	0.935	0.078	116.750
CondGaussLRT	50	300	All	0.05	0.953	0.467	0.929	0.093	116.850
CondGaussLRT	50	300	All	0.08	0.949	0.470	0.931	0.099	116.250
CondGaussLRT	50	500	All	1.00E-04	0.995	0.554	0.984	0.082	100.550
CondGaussLRT	50	500	All	0.001	0.995	0.572	0.970	0.099	98.450
CondGaussLRT	50	500	All	0.01	0.984	0.573	0.968	0.118	97.750
CondGaussLRT	50	500	All	0.03	0.966	0.574	0.953	0.137	97.450
CondGaussLRT	50	500	All	0.05	0.961	0.576	0.934	0.141	97.350
CondGaussLRT	50	500	All	0.08	0.941	0.571	0.940	0.145	98.900
FisherZ	100	100	CC	1.00E-04	0.991	0.609	0.975	0.048	45.500
FisherZ	100	100	CC	0.001	0.986	0.661	0.970	0.077	42.700
FisherZ	100	100	CC	0.01	0.904	0.738	0.980	0.144	41.300
FisherZ	100	100	CC	0.03	0.839	0.773	0.921	0.201	42.150
FisherZ	100	100	CC	0.05	0.777	0.802	0.850	0.242	44.350
FisherZ	100	100	CC	0.08	0.697	0.827	0.816	0.302	49.800
FisherZ	100	300	CC	1.00E-04	0.985	0.845	0.971	0.224	33.450
FisherZ	100	300	CC	0.001	0.968	0.876	0.981	0.309	29.650
FisherZ	100	300	CC	0.01	0.912	0.909	0.975	0.379	28.850
FisherZ	100	300	CC	0.03	0.812	0.922	0.948	0.436	32.850
FisherZ	100	300	CC	0.05	0.752	0.929	0.916	0.460	37.600
FisherZ	100	300	CC	0.08	0.688	0.932	0.767	0.469	45.250
FisherZ	100	500	CC	1.00E-04	0.982	0.902	0.980	0.430	26.900
FisherZ	100	500	CC	0.001	0.976	0.918	0.977	0.478	25.000
FisherZ	100	500	CC	0.01	0.929	0.946	0.969	0.539	24.900

FisherZ	100	500	CC	0.03	0.870	0.955	0.926	0.565	29.050
FisherZ	100	500	CC	0.05	0.822	0.956	0.908	0.584	33.200
FisherZ	100	500	CC	0.08	0.744	0.958	0.874	0.600	41.400
ChiSquare	100	100	CC	1.00E-04	0.969	0.250	NaN	0.000	57.900
ChiSquare	100	100	CC	0.001	0.954	0.291	NaN	0.000	56.750
ChiSquare	100	100	CC	0.01	0.919	0.355	NaN	0.000	56.150
ChiSquare	100	100	CC	0.03	0.942	0.421	0.750	0.005	53.950
ChiSquare	100	100	CC	0.05	0.949	0.434	0.625	0.007	53.300
ChiSquare	100	100	CC	0.08	0.933	0.469	0.625	0.007	52.600
ChiSquare	100	300	CC	1.00E-04	0.986	0.490	1.000	0.002	53.700
ChiSquare	100	300	CC	0.001	0.982	0.533	1.000	0.002	52.550
ChiSquare	100	300	CC	0.01	0.957	0.594	1.000	0.015	50.950
ChiSquare	100	300	CC	0.03	0.949	0.626	0.981	0.043	49.300
ChiSquare	100	300	CC	0.05	0.939	0.647	0.883	0.046	49.050
ChiSquare	100	300	CC	0.08	0.948	0.671	0.910	0.062	47.400
ChiSquare	100	500	CC	1.00E-04	0.979	0.600	1.000	0.020	53.200
ChiSquare	100	500	CC	0.001	0.979	0.643	1.000	0.029	51.500
ChiSquare	100	500	CC	0.01	0.962	0.703	0.933	0.073	48.650
ChiSquare	100	500	CC	0.03	0.954	0.732	0.979	0.101	47.000
ChiSquare	100	500	CC	0.05	0.936	0.756	0.970	0.129	46.450
ChiSquare	100	500	CC	0.08	0.924	0.765	0.949	0.143	46.300
MultinomialLRT	100	100	CC	1.00E-04	0.997	0.587	1.000	0.042	46.150
MultinomialLRT	100	100	CC	0.001	1.000	0.656	0.992	0.078	42.250
MultinomialLRT	100	100	CC	0.01	0.943	0.717	0.985	0.133	40.450
MultinomialLRT	100	100	CC	0.03	0.895	0.767	0.967	0.193	39.300
MultinomialLRT	100	100	CC	0.05	0.855	0.803	0.942	0.241	39.450
MultinomialLRT	100	100	CC	0.08	0.783	0.813	0.882	0.263	44.000
MultinomialLRT	100	300	CC	1.00E-04	0.997	0.794	0.944	0.193	36.000
MultinomialLRT	100	300	CC	0.001	0.983	0.838	0.958	0.272	31.850
MultinomialLRT	100	300	CC	0.01	0.955	0.883	0.974	0.372	27.800
MultinomialLRT	100	300	CC	0.03	0.884	0.902	0.871	0.431	28.650
MultinomialLRT	100	300	CC	0.05	0.842	0.910	0.883	0.466	30.250
MultinomialLRT	100	300	CC	0.08	0.789	0.915	0.850	0.500	33.700
MultinomialLRT	100	500	CC	1.00E-04	0.996	0.885	0.986	0.462	25.500
MultinomialLRT	100	500	CC	0.001	0.995	0.905	0.987	0.529	22.400
MultinomialLRT	100	500	CC	0.01	0.984	0.935	0.986	0.591	19.450
MultinomialLRT	100	500	CC	0.03	0.952	0.943	0.969	0.633	20.050
MultinomialLRT	100	500	CC	0.05	0.933	0.945	0.962	0.644	21.200
MultinomialLRT	100	500	CC	0.08	0.872	0.952	0.939	0.665	25.400
CondGaussLRT	100	100	CC	1.00E-04	0.997	0.556	1.000	0.032	47.400
CondGaussLRT	100	100	CC	0.001	0.997	0.617	1.000	0.046	44.850
CondGaussLRT	100	100	CC	0.01	0.984	0.676	0.971	0.116	40.950
CondGaussLRT	100	100	CC	0.03	0.987	0.717	0.985	0.150	38.350
CondGaussLRT	100	100	CC	0.05	0.960	0.749	0.986	0.182	37.400
CondGaussLRT	100	100	CC	0.08	0.905	0.758	0.995	0.207	38.550

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CondGaussLRT	100	300	CC	1.00E-04	0.997	0.738	0.944	0.123	40.450
CondGaussLRT	100	300	CC	0.001	0.992	0.778	0.978	0.167	37.500
CondGaussLRT	100	300	CC	0.01	0.979	0.817	0.961	0.227	34.150
CondGaussLRT	100	300	CC	0.03	0.979	0.832	0.965	0.265	32.300
CondGaussLRT	100	300	CC	0.05	0.971	0.840	0.975	0.289	31.250
CondGaussLRT	100	300	CC	0.08	0.944	0.854	0.976	0.313	31.100
CondGaussLRT	100	500	CC	1.00E-04	0.996	0.852	0.986	0.349	31.150
CondGaussLRT	100	500	CC	0.001	0.996	0.880	0.987	0.411	27.900
CondGaussLRT	100	500	CC	0.01	0.995	0.897	0.995	0.444	25.750
CondGaussLRT	100	500	CC	0.03	0.991	0.915	0.993	0.489	23.750
CondGaussLRT	100	500	CC	0.05	0.983	0.928	0.994	0.509	22.900
CondGaussLRT	100	500	CC	0.08	0.974	0.933	0.991	0.519	23.000
FisherZ	100	100	CD	1.00E-04	0.954	0.140	1.000	0.001	122.150
FisherZ	100	100	CD	0.001	0.910	0.188	1.000	0.004	120.650
FisherZ	100	100	CD	0.01	0.744	0.263	0.955	0.020	124.150
FisherZ	100	100	CD	0.03	0.606	0.313	0.643	0.031	134.600
FisherZ	100	100	CD	0.05	0.511	0.342	0.525	0.042	148.350
FisherZ	100	100	CD	0.08	0.435	0.370	0.485	0.056	166.700
FisherZ	100	300	CD	1.00E-04	0.982	0.363	0.972	0.012	129.050
FisherZ	100	300	CD	0.001	0.957	0.418	0.988	0.031	124.500
FisherZ	100	300	CD	0.01	0.838	0.479	0.944	0.052	127.150
FisherZ	100	300	CD	0.03	0.707	0.527	0.726	0.088	138.450
FisherZ	100	300	CD	0.05	0.619	0.555	0.723	0.106	154.000
FisherZ	100	300	CD	0.08	0.536	0.575	0.604	0.128	177.050
FisherZ	100	500	CD	1.00E-04	0.965	0.380	0.941	0.029	118.950
FisherZ	100	500	CD	0.001	0.936	0.443	0.917	0.058	114.550
FisherZ	100	500	CD	0.01	0.843	0.509	0.865	0.099	116.100
FisherZ	100	500	CD	0.03	0.714	0.548	0.814	0.136	128.900
FisherZ	100	500	CD	0.05	0.637	0.574	0.792	0.172	140.150
FisherZ	100	500	CD	0.08	0.549	0.596	0.687	0.201	162.250
ChiSquare	100	100	CD	1.00E-04	0.983	0.094	NaN	0.000	125.550
ChiSquare	100	100	CD	0.001	0.947	0.122	NaN	0.000	123.950
ChiSquare	100	100	CD	0.01	0.952	0.170	1.000	0.001	121.100
ChiSquare	100	100	CD	0.03	0.955	0.219	NaN	0.000	118.300
ChiSquare	100	100	CD	0.05	0.959	0.245	0.000	0.000	117.050
ChiSquare	100	100	CD	0.08	0.943	0.261	1.000	0.003	116.150
ChiSquare	100	300	CD	1.00E-04	0.989	0.367	NaN	0.000	130.050
ChiSquare	100	300	CD	0.001	0.985	0.410	NaN	0.000	126.900
ChiSquare	100	300	CD	0.01	0.979	0.482	1.000	0.004	121.600
ChiSquare	100	300	CD	0.03	0.978	0.533	1.000	0.008	117.900
ChiSquare	100	300	CD	0.05	0.974	0.554	1.000	0.015	116.200
ChiSquare	100	300	CD	0.08	0.971	0.573	0.908	0.032	113.950
ChiSquare	100	500	CD	1.00E-04	0.998	0.434	1.000	0.003	115.500
ChiSquare	100	500	CD	0.001	0.997	0.483	1.000	0.008	111.750
ChiSquare	100	500	CD	0.01	0.986	0.546	0.846	0.023	107.300

ChiSquare	100	500	CD	0.03	0.973	0.591	0.764	0.030	105.100
ChiSquare	100	500	CD	0.05	0.963	0.613	0.865	0.045	103.550
ChiSquare	100	500	CD	0.08	0.961	0.635	0.863	0.064	101.100
MultinomialLRT	100	100	CD	1.00E-04	0.974	0.349	1.000	0.003	109.950
MultinomialLRT	100	100	CD	0.001	0.945	0.420	0.875	0.010	106.550
MultinomialLRT	100	100	CD	0.01	0.802	0.522	0.911	0.037	109.450
MultinomialLRT	100	100	CD	0.03	0.711	0.580	0.704	0.058	118.750
MultinomialLRT	100	100	CD	0.05	0.647	0.612	0.699	0.080	127.750
MultinomialLRT	100	100	CD	0.08	0.572	0.633	0.608	0.102	144.350
MultinomialLRT	100	300	CD	1.00E-04	0.987	0.667	0.906	0.032	104.900
MultinomialLRT	100	300	CD	0.001	0.960	0.731	0.930	0.064	98.850
MultinomialLRT	100	300	CD	0.01	0.858	0.799	0.979	0.133	100.750
MultinomialLRT	100	300	CD	0.03	0.770	0.828	0.910	0.201	110.300
MultinomialLRT	100	300	CD	0.05	0.711	0.845	0.836	0.239	121.350
MultinomialLRT	100	300	CD	0.08	0.644	0.860	0.789	0.283	139.650
MultinomialLRT	100	500	CD	1.00E-04	0.993	0.724	0.977	0.110	87.100
MultinomialLRT	100	500	CD	0.001	0.976	0.779	0.985	0.170	80.400
MultinomialLRT	100	500	CD	0.01	0.916	0.837	0.982	0.283	75.200
MultinomialLRT	100	500	CD	0.03	0.816	0.875	0.967	0.359	84.100
MultinomialLRT	100	500	CD	0.05	0.758	0.884	0.928	0.390	94.000
MultinomialLRT	100	500	CD	0.08	0.683	0.897	0.888	0.435	110.900
CondGaussLRT	100	100	CD	1.00E-04	0.978	0.115	1.000	0.001	124.800
CondGaussLRT	100	100	CD	0.001	0.936	0.101	1.000	0.001	126.200
CondGaussLRT	100	100	CD	0.01	0.963	0.077	0.958	0.008	126.250
CondGaussLRT	100	100	CD	0.03	0.997	0.076	0.938	0.008	125.900
CondGaussLRT	100	100	CD	0.05	0.994	0.080	0.938	0.008	125.800
CondGaussLRT	100	100	CD	0.08	0.988	0.088	0.625	0.008	125.350
CondGaussLRT	100	300	CD	1.00E-04	1.000	0.423	0.875	0.008	126.300
CondGaussLRT	100	300	CD	0.001	0.982	0.432	0.933	0.019	126.400
CondGaussLRT	100	300	CD	0.01	0.968	0.431	0.974	0.023	127.450
CondGaussLRT	100	300	CD	0.03	0.962	0.413	0.873	0.038	127.700
CondGaussLRT	100	300	CD	0.05	0.955	0.402	0.907	0.039	128.650
CondGaussLRT	100	300	CD	0.08	0.938	0.374	0.967	0.049	131.100
CondGaussLRT	100	500	CD	1.00E-04	1.000	0.453	0.894	0.029	113.250
CondGaussLRT	100	500	CD	0.001	0.999	0.474	0.976	0.051	110.400
CondGaussLRT	100	500	CD	0.01	0.979	0.478	1.000	0.068	110.250
CondGaussLRT	100	500	CD	0.03	0.969	0.475	0.979	0.082	110.550
CondGaussLRT	100	500	CD	0.05	0.956	0.471	0.945	0.097	110.800
CondGaussLRT	100	500	CD	0.08	0.954	0.459	0.926	0.101	111.500
FisherZ	100	100	DD	1.00E-04	0.891	0.073	1.000	0.002	62.600
FisherZ	100	100	DD	0.001	0.785	0.123	0.667	0.002	62.200
FisherZ	100	100	DD	0.01	0.477	0.170	0.917	0.006	69.300
FisherZ	100	100	DD	0.03	0.375	0.220	0.517	0.010	79.150
FisherZ	100	100	DD	0.05	0.327	0.252	0.417	0.018	88.250
FisherZ	100	100	DD	0.08	0.261	0.276	0.221	0.023	104.500

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FisherZ	100	300	DD	1.00E-04	0.957	0.215	NaN	0.000	65.650
FisherZ	100	300	DD	0.001	0.909	0.261	0.667	0.002	64.700
FisherZ	100	300	DD	0.01	0.676	0.343	0.757	0.021	69.500
FisherZ	100	300	DD	0.03	0.489	0.399	0.451	0.031	82.650
FisherZ	100	300	DD	0.05	0.395	0.427	0.370	0.043	96.300
FisherZ	100	300	DD	0.08	0.321	0.448	0.288	0.062	115.150
FisherZ	100	500	DD	1.00E-04	0.938	0.257	1.000	0.003	64.450
FisherZ	100	500	DD	0.001	0.884	0.318	0.800	0.009	63.550
FisherZ	100	500	DD	0.01	0.711	0.437	0.660	0.026	67.750
FisherZ	100	500	DD	0.03	0.562	0.511	0.569	0.054	79.850
FisherZ	100	500	DD	0.05	0.459	0.538	0.541	0.081	93.450
FisherZ	100	500	DD	0.08	0.379	0.568	0.468	0.106	113.300
ChiSquare	100	100	DD	1.00E-04	0.969	0.241	NaN	0.000	58.250
ChiSquare	100	100	DD	0.001	0.970	0.310	NaN	0.000	56.550
ChiSquare	100	100	DD	0.01	0.968	0.383	0.000	0.000	54.200
ChiSquare	100	100	DD	0.03	0.957	0.426	NaN	0.000	53.050
ChiSquare	100	100	DD	0.05	0.951	0.439	NaN	0.000	52.550
ChiSquare	100	100	DD	0.08	0.941	0.478	0.750	0.007	51.450
ChiSquare	100	300	DD	1.00E-04	0.976	0.486	NaN	0.000	57.250
ChiSquare	100	300	DD	0.001	0.981	0.543	NaN	0.000	55.300
ChiSquare	100	300	DD	0.01	0.945	0.608	1.000	0.002	54.100
ChiSquare	100	300	DD	0.03	0.934	0.644	0.767	0.008	53.200
ChiSquare	100	300	DD	0.05	0.921	0.660	0.875	0.014	52.950
ChiSquare	100	300	DD	0.08	0.924	0.692	0.825	0.025	51.750
ChiSquare	100	500	DD	1.00E-04	0.988	0.584	NaN	0.000	52.300
ChiSquare	100	500	DD	0.001	0.984	0.635	1.000	0.001	50.750
ChiSquare	100	500	DD	0.01	0.975	0.712	1.000	0.005	48.050
ChiSquare	100	500	DD	0.03	0.973	0.748	0.778	0.012	46.950
ChiSquare	100	500	DD	0.05	0.963	0.777	0.667	0.024	46.400
ChiSquare	100	500	DD	0.08	0.955	0.803	0.710	0.041	45.550
MultinomialLRT	100	100	DD	1.00E-04	0.957	0.456	0.750	0.006	51.900
MultinomialLRT	100	100	DD	0.001	0.900	0.535	0.700	0.013	51.000
MultinomialLRT	100	100	DD	0.01	0.734	0.627	0.777	0.043	57.300
MultinomialLRT	100	100	DD	0.03	0.602	0.676	0.544	0.070	68.750
MultinomialLRT	100	100	DD	0.05	0.517	0.696	0.520	0.092	80.350
MultinomialLRT	100	100	DD	0.08	0.449	0.719	0.392	0.126	93.000
MultinomialLRT	100	300	DD	1.00E-04	0.989	0.680	1.000	0.021	49.550
MultinomialLRT	100	300	DD	0.001	0.937	0.742	0.974	0.056	47.750
MultinomialLRT	100	300	DD	0.01	0.797	0.805	0.915	0.114	51.650
MultinomialLRT	100	300	DD	0.03	0.671	0.837	0.803	0.161	62.400
MultinomialLRT	100	300	DD	0.05	0.596	0.842	0.711	0.198	72.650
MultinomialLRT	100	300	DD	0.08	0.518	0.858	0.638	0.241	87.700
MultinomialLRT	100	500	DD	1.00E-04	0.997	0.831	0.990	0.116	38.650
MultinomialLRT	100	500	DD	0.001	0.966	0.874	0.993	0.186	36.150
MultinomialLRT	100	500	DD	0.01	0.862	0.913	0.987	0.278	38.950

MultinomialLRT	100	500	DD	0.03	0.727	0.928	0.931	0.352	50.350
MultinomialLRT	100	500	DD	0.05	0.638	0.936	0.844	0.397	61.800
MultinomialLRT	100	500	DD	0.08	0.545	0.939	0.732	0.461	78.650
CondGaussLRT	100	100	DD	1.00E-04	0.992	0.161	NaN	0.000	60.600
CondGaussLRT	100	100	DD	0.001	1.000	0.196	0.667	0.002	59.300
CondGaussLRT	100	100	DD	0.01	0.990	0.220	0.750	0.004	58.550
CondGaussLRT	100	100	DD	0.03	0.995	0.234	0.800	0.005	57.900
CondGaussLRT	100	100	DD	0.05	1.000	0.239	0.800	0.005	57.600
CondGaussLRT	100	100	DD	0.08	0.996	0.253	0.800	0.005	57.250
CondGaussLRT	100	300	DD	1.00E-04	1.000	0.337	NaN	0.000	62.150
CondGaussLRT	100	300	DD	0.001	0.992	0.348	NaN	0.000	62.050
CondGaussLRT	100	300	DD	0.01	0.983	0.360	1.000	0.002	61.950
CondGaussLRT	100	300	DD	0.03	1.000	0.354	1.000	0.002	61.950
CondGaussLRT	100	300	DD	0.05	1.000	0.353	1.000	0.002	61.950
CondGaussLRT	100	300	DD	0.08	1.000	0.347	NaN	0.000	62.200
CondGaussLRT	100	500	DD	1.00E-04	1.000	0.448	1.000	0.002	57.000
CondGaussLRT	100	500	DD	0.001	1.000	0.458	1.000	0.006	56.550
CondGaussLRT	100	500	DD	0.01	0.997	0.451	1.000	0.013	56.450
CondGaussLRT	100	500	DD	0.03	0.986	0.435	1.000	0.020	56.800
CondGaussLRT	100	500	DD	0.05	0.982	0.424	0.900	0.022	57.150
CondGaussLRT	100	500	DD	0.08	0.985	0.410	0.900	0.022	57.650
FisherZ	100	100	All	1.00E-04	0.978	0.239	0.977	0.014	230.250
FisherZ	100	100	All	0.001	0.940	0.289	0.961	0.022	225.550
FisherZ	100	100	All	0.01	0.766	0.356	0.977	0.049	234.750
FisherZ	100	100	All	0.03	0.636	0.403	0.852	0.070	255.900
FisherZ	100	100	All	0.05	0.552	0.431	0.758	0.087	280.950
FisherZ	100	100	All	0.08	0.465	0.458	0.642	0.111	321.000
FisherZ	100	300	All	1.00E-04	0.979	0.439	0.969	0.058	228.150
FisherZ	100	300	All	0.001	0.956	0.486	0.978	0.088	218.850
FisherZ	100	300	All	0.01	0.833	0.544	0.934	0.120	225.500
FisherZ	100	300	All	0.03	0.695	0.587	0.776	0.155	253.950
FisherZ	100	300	All	0.05	0.607	0.610	0.751	0.174	287.900
FisherZ	100	300	All	0.08	0.522	0.626	0.673	0.192	337.450
FisherZ	100	500	All	1.00E-04	0.968	0.484	0.978	0.126	210.300
FisherZ	100	500	All	0.001	0.946	0.534	0.970	0.154	203.100
FisherZ	100	500	All	0.01	0.850	0.603	0.926	0.195	208.750
FisherZ	100	500	All	0.03	0.727	0.642	0.859	0.228	237.800
FisherZ	100	500	All	0.05	0.644	0.663	0.829	0.257	266.800
FisherZ	100	500	All	0.08	0.553	0.681	0.741	0.282	316.950
ChiSquare	100	100	All	1.00E-04	0.984	0.168	NaN	0.000	241.700
ChiSquare	100	100	All	0.001	0.966	0.210	NaN	0.000	237.250
ChiSquare	100	100	All	0.01	0.947	0.267	0.500	0.000	231.450
ChiSquare	100	100	All	0.03	0.952	0.320	0.750	0.001	225.300
ChiSquare	100	100	All	0.05	0.955	0.339	0.625	0.002	222.900
ChiSquare	100	100	All	0.08	0.940	0.366	0.688	0.005	220.200



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ChiSquare	100	300	All	1.00E-04	0.986	0.421	1.000	0.000	241.000
ChiSquare	100	300	All	0.001	0.984	0.466	1.000	0.000	234.750
ChiSquare	100	300	All	0.01	0.965	0.534	1.000	0.006	226.650
ChiSquare	100	300	All	0.03	0.959	0.578	0.935	0.015	220.400
ChiSquare	100	300	All	0.05	0.951	0.598	0.922	0.021	218.200
ChiSquare	100	300	All	0.08	0.952	0.622	0.899	0.037	213.100
ChiSquare	100	500	All	1.00E-04	0.990	0.510	1.000	0.006	221.000
ChiSquare	100	500	All	0.001	0.988	0.559	1.000	0.012	214.000
ChiSquare	100	500	All	0.01	0.976	0.624	0.914	0.031	204.000
ChiSquare	100	500	All	0.03	0.967	0.662	0.904	0.043	199.050
ChiSquare	100	500	All	0.05	0.955	0.687	0.887	0.060	196.400
ChiSquare	100	500	All	0.08	0.948	0.706	0.873	0.077	192.950
MultinomialLRT	100	100	All	1.00E-04	0.977	0.434	0.981	0.015	208.000
MultinomialLRT	100	100	All	0.001	0.950	0.507	0.938	0.028	199.800
MultinomialLRT	100	100	All	0.01	0.817	0.596	0.934	0.063	207.200
MultinomialLRT	100	100	All	0.03	0.719	0.649	0.786	0.096	226.800
MultinomialLRT	100	100	All	0.05	0.650	0.679	0.750	0.124	247.550
MultinomialLRT	100	100	All	0.08	0.575	0.697	0.625	0.150	281.350
MultinomialLRT	100	300	All	1.00E-04	0.990	0.697	0.945	0.067	190.450
MultinomialLRT	100	300	All	0.001	0.960	0.757	0.956	0.110	178.450
MultinomialLRT	100	300	All	0.01	0.863	0.818	0.969	0.184	180.200
MultinomialLRT	100	300	All	0.03	0.765	0.846	0.891	0.245	201.350
MultinomialLRT	100	300	All	0.05	0.705	0.857	0.824	0.282	224.250
MultinomialLRT	100	300	All	0.08	0.635	0.870	0.776	0.325	261.050
MultinomialLRT	100	500	All	1.00E-04	0.995	0.790	0.983	0.202	151.250
MultinomialLRT	100	500	All	0.001	0.979	0.834	0.985	0.265	138.950
MultinomialLRT	100	500	All	0.01	0.920	0.880	0.984	0.360	133.600
MultinomialLRT	100	500	All	0.03	0.822	0.905	0.960	0.427	154.500
MultinomialLRT	100	500	All	0.05	0.760	0.912	0.919	0.456	177.000
MultinomialLRT	100	500	All	0.08	0.678	0.921	0.863	0.500	214.950
CondGaussLRT	100	100	All	1.00E-04	0.992	0.234	1.000	0.009	232.800
CondGaussLRT	100	100	All	0.001	0.982	0.252	0.975	0.013	230.350
CondGaussLRT	100	100	All	0.01	0.978	0.261	0.957	0.036	225.750
CondGaussLRT	100	100	All	0.03	0.988	0.273	0.973	0.045	222.150
CondGaussLRT	100	100	All	0.05	0.970	0.284	0.974	0.052	220.800
CondGaussLRT	100	100	All	0.08	0.931	0.294	0.979	0.058	221.150
CondGaussLRT	100	300	All	1.00E-04	0.999	0.474	0.938	0.033	228.900
CondGaussLRT	100	300	All	0.001	0.987	0.491	0.961	0.049	225.950
CondGaussLRT	100	300	All	0.01	0.973	0.502	0.965	0.065	223.550
CondGaussLRT	100	300	All	0.03	0.977	0.494	0.952	0.082	221.950
CondGaussLRT	100	300	All	0.05	0.970	0.490	0.964	0.087	221.850
CondGaussLRT	100	300	All	0.08	0.951	0.477	0.975	0.098	224.400
CondGaussLRT	100	500	All	1.00E-04	0.998	0.551	0.977	0.104	201.400
CondGaussLRT	100	500	All	0.001	0.998	0.571	0.986	0.132	194.850
CondGaussLRT	100	500	All	0.01	0.988	0.577	0.996	0.152	192.450

CondGaussLRT	100	500	All	0.03	0.980	0.577	0.990	0.172	191.100
CondGaussLRT	100	500	All	0.05	0.971	0.576	0.984	0.185	190.850
CondGaussLRT	100	500	All	0.08	0.966	0.568	0.977	0.190	192.150

Table 7: Comparison of mixed data structure learning algorithms with Lee and Hastie  
Simulated data with average density 1.5

Num_Vars	Algorithm	Sample.Size	Type	Parameter	AP	AR	AHP	AHR	SHD
50	Copula-PC	100	All	1e-04	0.997	0.263	0.85	0.013	117.15
50	Copula-PC	100	All	0.001	0.972	0.308	0.98	0.022	114.1
50	Copula-PC	100	All	0.01	0.87	0.384	0.981	0.072	111
50	Copula-PC	100	All	0.03	0.774	0.438	0.931	0.095	114.4
50	Copula-PC	100	All	0.05	0.708	0.457	0.903	0.11	119.25
50	Copula-PC	100	All	0.08	0.632	0.486	0.815	0.126	128.85
50	Copula-PC	300	All	1e-04	0.978	0.413	0.937	0.074	118.15
50	Copula-PC	300	All	0.001	0.955	0.457	0.929	0.093	114.85
50	Copula-PC	300	All	0.01	0.855	0.525	0.881	0.147	114.3
50	Copula-PC	300	All	0.03	0.75	0.567	0.784	0.185	122.4
50	Copula-PC	300	All	0.05	0.68	0.592	0.749	0.202	132.25
50	Copula-PC	300	All	0.08	0.595	0.611	0.707	0.249	148.75
50	Copula-PC	500	All	1e-04	0.946	0.52	0.938	0.129	101.6
50	Copula-PC	500	All	0.001	0.911	0.568	0.902	0.164	99.95
50	Copula-PC	500	All	0.01	0.813	0.638	0.835	0.242	102.55
50	Copula-PC	500	All	0.03	0.717	0.676	0.737	0.294	113.8
50	Copula-PC	500	All	0.05	0.646	0.69	0.681	0.314	127.55
50	Copula-PC	500	All	0.08	0.577	0.709	0.628	0.346	144.75
50	MGM-CPCStable	100	All	1e-04	0.998	0.414	0.929	0.01	108.75
50	MGM-CPCStable	100	All	0.001	0.993	0.462	0.975	0.022	105
50	MGM-CPCStable	100	All	0.01	0.971	0.518	0.94	0.043	100.95
50	MGM-CPCStable	100	All	0.03	0.957	0.533	0.838	0.061	100
50	MGM-CPCStable	100	All	0.05	0.956	0.547	0.879	0.076	98.95
50	MGM-CPCStable	100	All	0.08	0.949	0.552	0.865	0.083	98.6
50	MGM-CPCStable	300	All	1e-04	0.996	0.565	0.918	0.072	108.3
50	MGM-CPCStable	300	All	0.001	0.995	0.587	0.892	0.096	105.55
50	MGM-CPCStable	300	All	0.01	0.993	0.602	0.956	0.129	102.15
50	MGM-CPCStable	300	All	0.03	0.989	0.608	0.962	0.156	100.45
50	MGM-CPCStable	300	All	0.05	0.987	0.612	0.963	0.158	99.95
50	MGM-CPCStable	300	All	0.08	0.984	0.614	0.964	0.169	99.45
50	MGM-CPCStable	500	All	1e-04	0.993	0.64	0.977	0.147	90.8
50	MGM-CPCStable	500	All	0.001	0.994	0.648	0.976	0.182	87.65
50	MGM-CPCStable	500	All	0.01	0.992	0.657	0.993	0.224	84.1
50	MGM-CPCStable	500	All	0.03	0.987	0.659	0.978	0.238	83.65
50	MGM-CPCStable	500	All	0.05	0.986	0.661	0.963	0.244	83.4
50	MGM-CPCStable	500	All	0.08	0.984	0.662	0.965	0.248	83.15
50	MGM-PCStable	100	All	1e-04	0.998	0.414	0.45	0.169	112.7

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50	MGM-PCStable	100	All	0.001	0.993	0.462	0.476	0.224	110.15
50	MGM-PCStable	100	All	0.01	0.971	0.518	0.456	0.289	107.95
50	MGM-PCStable	100	All	0.03	0.957	0.533	0.453	0.307	107.55
50	MGM-PCStable	100	All	0.05	0.956	0.547	0.453	0.322	107.35
50	MGM-PCStable	100	All	0.08	0.949	0.552	0.452	0.33	107.45
50	MGM-PCStable	300	All	1e-04	0.996	0.565	0.472	0.371	115.75
50	MGM-PCStable	300	All	0.001	0.995	0.587	0.471	0.396	114.55
50	MGM-PCStable	300	All	0.01	0.993	0.602	0.475	0.419	113
50	MGM-PCStable	300	All	0.03	0.989	0.608	0.472	0.425	113.15
50	MGM-PCStable	300	All	0.05	0.987	0.612	0.475	0.432	112.6
50	MGM-PCStable	300	All	0.08	0.984	0.614	0.474	0.435	112.7
50	MGM-PCStable	500	All	1e-04	0.993	0.64	0.474	0.455	103.25
50	MGM-PCStable	500	All	0.001	0.994	0.648	0.478	0.466	102.25
50	MGM-PCStable	500	All	0.01	0.992	0.657	0.475	0.477	101.95
50	MGM-PCStable	500	All	0.03	0.987	0.659	0.473	0.479	102.3
50	MGM-PCStable	500	All	0.05	0.986	0.661	0.473	0.482	102.25
50	MGM-PCStable	500	All	0.08	0.984	0.662	0.473	0.484	102.35
50	FGES	100	All	1	0.914	0.606	0.746	0.219	90.7
50	FGES	100	All	1.5	0.91	0.609	0.744	0.222	90.6
50	FGES	100	All	2	0.904	0.613	0.703	0.225	90.9
50	FGES	100	All	3	0.888	0.618	0.687	0.232	91.7
50	FGES	100	All	4	0.879	0.62	0.684	0.233	92.15
50	FGES	100	All	5	0.87	0.62	0.669	0.225	93.15
50	FGES	300	All	1	0.962	0.692	0.745	0.309	89.65
50	FGES	300	All	1.5	0.96	0.693	0.742	0.31	89.8
50	FGES	300	All	2	0.955	0.693	0.731	0.315	90.55
50	FGES	300	All	3	0.952	0.693	0.729	0.315	90.9
50	FGES	300	All	4	0.953	0.697	0.737	0.317	89.9
50	FGES	300	All	5	0.951	0.698	0.736	0.318	90.05
50	FGES	500	All	1	0.97	0.78	0.777	0.383	71.5
50	FGES	500	All	1.5	0.968	0.782	0.788	0.388	71.45
50	FGES	500	All	2	0.967	0.784	0.785	0.389	71.35
50	FGES	500	All	3	0.966	0.786	0.786	0.393	71.15
50	FGES	500	All	4	0.966	0.787	0.785	0.393	71.15
50	FGES	500	All	5	0.963	0.787	0.784	0.394	71.3
50	MGM-PCMax	100	All	1e-04	0.995	0.423	0.335	0.089	114.15
50	MGM-PCMax	100	All	0.001	0.991	0.469	0.348	0.111	112.45
50	MGM-PCMax	100	All	0.01	0.966	0.52	0.357	0.143	110.6
50	MGM-PCMax	100	All	0.03	0.956	0.535	0.363	0.152	110.05
50	MGM-PCMax	100	All	0.05	0.953	0.547	0.365	0.159	109.65
50	MGM-PCMax	100	All	0.08	0.949	0.552	0.364	0.161	109.7
50	MGM-PCMax	300	All	1e-04	0.995	0.565	0.38	0.175	119.6
50	MGM-PCMax	300	All	0.001	0.992	0.588	0.386	0.189	118.6
50	MGM-PCMax	300	All	0.01	0.992	0.602	0.395	0.2	116.85
50	MGM-PCMax	300	All	0.03	0.989	0.608	0.39	0.2	117.05

50	MGM-PCMax	300	All	0.05	0.987	0.612	0.388	0.201	117.15
50	MGM-PCMax	300	All	0.08	0.984	0.614	0.39	0.204	117.05
50	MGM-PCMax	500	All	1e-04	0.992	0.64	0.387	0.21	108.85
50	MGM-PCMax	500	All	0.001	0.993	0.648	0.389	0.213	108.25
50	MGM-PCMax	500	All	0.01	0.992	0.657	0.393	0.221	107.55
50	MGM-PCMax	500	All	0.03	0.986	0.659	0.393	0.223	107.9
50	MGM-PCMax	500	All	0.05	0.986	0.661	0.391	0.224	107.85
50	MGM-PCMax	500	All	0.08	0.984	0.662	0.394	0.226	107.7
50	Copula-PC	100	CC	1e-04	1	0.632	0.85	0.051	22.75
50	Copula-PC	100	CC	0.001	0.978	0.688	0.98	0.082	21.4
50	Copula-PC	100	CC	0.01	0.931	0.785	0.984	0.192	18.85
50	Copula-PC	100	CC	0.03	0.886	0.822	0.953	0.244	18.9
50	Copula-PC	100	CC	0.05	0.821	0.831	0.935	0.275	20.1
50	Copula-PC	100	CC	0.08	0.784	0.862	0.884	0.311	20.9
50	Copula-PC	300	CC	1e-04	0.974	0.81	0.939	0.235	18.6
50	Copula-PC	300	CC	0.001	0.964	0.842	0.947	0.282	17.2
50	Copula-PC	300	CC	0.01	0.901	0.875	0.944	0.379	16.5
50	Copula-PC	300	CC	0.03	0.861	0.889	0.904	0.438	16.25
50	Copula-PC	300	CC	0.05	0.817	0.906	0.887	0.462	17.1
50	Copula-PC	300	CC	0.08	0.773	0.917	0.814	0.497	18.8
50	Copula-PC	500	CC	1e-04	0.931	0.884	0.955	0.414	15.2
50	Copula-PC	500	CC	0.001	0.922	0.901	0.96	0.47	14.55
50	Copula-PC	500	CC	0.01	0.901	0.925	0.956	0.553	13.35
50	Copula-PC	500	CC	0.03	0.839	0.934	0.913	0.611	13.95
50	Copula-PC	500	CC	0.05	0.791	0.938	0.855	0.626	15.85
50	Copula-PC	500	CC	0.08	0.752	0.94	0.837	0.633	17.45
50	MGM-CPCStable	100	CC	1e-04	0.995	0.605	0.917	0.036	23.45
50	MGM-CPCStable	100	CC	0.001	0.996	0.67	0.972	0.073	21.7
50	MGM-CPCStable	100	CC	0.01	0.967	0.747	0.955	0.129	19.75
50	MGM-CPCStable	100	CC	0.03	0.958	0.765	0.874	0.165	19
50	MGM-CPCStable	100	CC	0.05	0.96	0.788	0.921	0.202	18.2
50	MGM-CPCStable	100	CC	0.08	0.956	0.799	0.924	0.211	18.05
50	MGM-CPCStable	300	CC	1e-04	0.989	0.762	0.908	0.179	20.5
50	MGM-CPCStable	300	CC	0.001	0.989	0.786	0.886	0.223	19.5
50	MGM-CPCStable	300	CC	0.01	0.986	0.817	0.939	0.266	18.1
50	MGM-CPCStable	300	CC	0.03	0.982	0.82	0.958	0.293	17.9
50	MGM-CPCStable	300	CC	0.05	0.982	0.828	0.96	0.306	17.45
50	MGM-CPCStable	300	CC	0.08	0.977	0.83	0.964	0.319	17.4
50	MGM-CPCStable	500	CC	1e-04	0.989	0.839	0.971	0.365	16.15
50	MGM-CPCStable	500	CC	0.001	0.992	0.854	0.973	0.41	15
50	MGM-CPCStable	500	CC	0.01	0.992	0.864	0.99	0.439	14.3
50	MGM-CPCStable	500	CC	0.03	0.987	0.864	0.98	0.436	14.6
50	MGM-CPCStable	500	CC	0.05	0.987	0.866	0.977	0.443	14.45
50	MGM-CPCStable	500	CC	0.08	0.985	0.869	0.977	0.448	14.4
50	MGM-PCStable	100	CC	1e-04	0.995	0.605	0.483	0.287	24.9

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50	MGM-PCStable	100	CC	0.001	0.996	0.67	0.472	0.364	23.7
50	MGM-PCStable	100	CC	0.01	0.967	0.747	0.434	0.468	22.9
50	MGM-PCStable	100	CC	0.03	0.958	0.765	0.424	0.489	22.7
50	MGM-PCStable	100	CC	0.05	0.96	0.788	0.429	0.522	22.3
50	MGM-PCStable	100	CC	0.08	0.956	0.799	0.434	0.539	22.3
50	MGM-PCStable	300	CC	1e-04	0.989	0.762	0.453	0.469	24.6
50	MGM-PCStable	300	CC	0.001	0.989	0.786	0.459	0.503	24.15
50	MGM-PCStable	300	CC	0.01	0.986	0.817	0.473	0.55	23.35
50	MGM-PCStable	300	CC	0.03	0.982	0.82	0.47	0.553	23.55
50	MGM-PCStable	300	CC	0.05	0.982	0.828	0.472	0.563	23.3
50	MGM-PCStable	300	CC	0.08	0.977	0.83	0.471	0.567	23.4
50	MGM-PCStable	500	CC	1e-04	0.989	0.839	0.475	0.625	22.9
50	MGM-PCStable	500	CC	0.001	0.992	0.854	0.48	0.65	22.35
50	MGM-PCStable	500	CC	0.01	0.992	0.864	0.483	0.663	22.15
50	MGM-PCStable	500	CC	0.03	0.987	0.864	0.481	0.665	22.3
50	MGM-PCStable	500	CC	0.05	0.987	0.866	0.482	0.668	22.25
50	MGM-PCStable	500	CC	0.08	0.985	0.869	0.481	0.67	22.3
50	FGES	100	CC	1	0.873	0.876	0.794	0.47	15.45
50	FGES	100	CC	1.5	0.87	0.882	0.793	0.482	15.1
50	FGES	100	CC	2	0.86	0.885	0.75	0.485	15.35
50	FGES	100	CC	3	0.835	0.9	0.724	0.492	16.05
50	FGES	100	CC	4	0.823	0.904	0.722	0.495	16.25
50	FGES	100	CC	5	0.816	0.904	0.722	0.485	16.5
50	FGES	300	CC	1	0.928	0.947	0.846	0.633	11.6
50	FGES	300	CC	1.5	0.922	0.945	0.839	0.631	12
50	FGES	300	CC	2	0.908	0.945	0.82	0.629	12.7
50	FGES	300	CC	3	0.904	0.944	0.816	0.628	13.1
50	FGES	300	CC	4	0.905	0.948	0.818	0.63	12.6
50	FGES	300	CC	5	0.899	0.948	0.816	0.63	12.85
50	FGES	500	CC	1	0.948	0.967	0.883	0.708	9.75
50	FGES	500	CC	1.5	0.947	0.967	0.888	0.716	9.8
50	FGES	500	CC	2	0.943	0.967	0.884	0.716	9.9
50	FGES	500	CC	3	0.942	0.967	0.883	0.725	9.9
50	FGES	500	CC	4	0.939	0.967	0.88	0.725	10
50	FGES	500	CC	5	0.927	0.967	0.875	0.725	10.3
50	MGM-PCMax	100	CC	1e-04	0.995	0.612	0.367	0.178	25.85
50	MGM-PCMax	100	CC	0.001	0.996	0.676	0.423	0.225	24.55
50	MGM-PCMax	100	CC	0.01	0.964	0.75	0.38	0.252	24
50	MGM-PCMax	100	CC	0.03	0.958	0.768	0.372	0.26	23.9
50	MGM-PCMax	100	CC	0.05	0.96	0.788	0.388	0.284	23.3
50	MGM-PCMax	100	CC	0.08	0.956	0.799	0.383	0.283	23.4
50	MGM-PCMax	300	CC	1e-04	0.987	0.762	0.347	0.208	26.1
50	MGM-PCMax	300	CC	0.001	0.983	0.789	0.362	0.228	25.75
50	MGM-PCMax	300	CC	0.01	0.984	0.817	0.361	0.243	25.4
50	MGM-PCMax	300	CC	0.03	0.982	0.82	0.362	0.244	25.4

50	MGM-PCMax	300	CC	0.05	0.982	0.828	0.364	0.248	25.25
50	MGM-PCMax	300	CC	0.08	0.977	0.83	0.369	0.256	25.15
50	MGM-PCMax	500	CC	1e-04	0.989	0.839	0.366	0.271	24.25
50	MGM-PCMax	500	CC	0.001	0.992	0.854	0.372	0.278	23.7
50	MGM-PCMax	500	CC	0.01	0.992	0.864	0.37	0.284	23.65
50	MGM-PCMax	500	CC	0.03	0.987	0.864	0.371	0.286	23.75
50	MGM-PCMax	500	CC	0.05	0.987	0.866	0.375	0.291	23.55
50	MGM-PCMax	500	CC	0.08	0.985	0.869	0.378	0.295	23.45
50	Copula-PC	100	CD	1e-04	1	0.18	1	0.002	63.6
50	Copula-PC	100	CD	0.001	0.957	0.224	1	0.004	62.55
50	Copula-PC	100	CD	0.01	0.826	0.287	0.919	0.033	62.15
50	Copula-PC	100	CD	0.03	0.72	0.351	0.807	0.052	64.3
50	Copula-PC	100	CD	0.05	0.655	0.372	0.847	0.063	67
50	Copula-PC	100	CD	0.08	0.572	0.394	0.684	0.075	73.2
50	Copula-PC	300	CD	1e-04	0.984	0.351	0.917	0.03	63.45
50	Copula-PC	300	CD	0.001	0.962	0.397	0.887	0.044	61.75
50	Copula-PC	300	CD	0.01	0.871	0.468	0.867	0.103	60.45
50	Copula-PC	300	CD	0.03	0.752	0.507	0.757	0.141	64.95
50	Copula-PC	300	CD	0.05	0.692	0.538	0.729	0.156	69.05
50	Copula-PC	300	CD	0.08	0.59	0.556	0.672	0.204	78.1
50	Copula-PC	500	CD	1e-04	0.959	0.418	0.892	0.06	56.45
50	Copula-PC	500	CD	0.001	0.92	0.471	0.819	0.087	55.6
50	Copula-PC	500	CD	0.01	0.82	0.548	0.747	0.171	56.15
50	Copula-PC	500	CD	0.03	0.715	0.588	0.669	0.217	62.6
50	Copula-PC	500	CD	0.05	0.647	0.603	0.619	0.239	68.05
50	Copula-PC	500	CD	0.08	0.575	0.619	0.587	0.273	76.1
50	MGM-CPCStable	100	CD	1e-04	1	0.401	1	0.001	57.15
50	MGM-CPCStable	100	CD	0.001	0.988	0.456	1	0.005	55.25
50	MGM-CPCStable	100	CD	0.01	0.966	0.519	1	0.015	53.25
50	MGM-CPCStable	100	CD	0.03	0.949	0.538	0.733	0.028	52.8
50	MGM-CPCStable	100	CD	0.05	0.944	0.547	0.818	0.034	52.6
50	MGM-CPCStable	100	CD	0.08	0.936	0.552	0.75	0.043	52.45
50	MGM-CPCStable	300	CD	1e-04	1	0.585	1	0.039	55
50	MGM-CPCStable	300	CD	0.001	0.998	0.618	1	0.059	53.45
50	MGM-CPCStable	300	CD	0.01	0.998	0.634	0.99	0.095	51.65
50	MGM-CPCStable	300	CD	0.03	0.996	0.645	0.971	0.131	50.35
50	MGM-CPCStable	300	CD	0.05	0.996	0.649	0.971	0.132	50.1
50	MGM-CPCStable	300	CD	0.08	0.996	0.651	0.975	0.148	49.55
50	MGM-CPCStable	500	CD	1e-04	0.998	0.652	0.988	0.106	45.7
50	MGM-CPCStable	500	CD	0.001	0.998	0.66	0.98	0.137	44.3
50	MGM-CPCStable	500	CD	0.01	0.998	0.674	1	0.188	41.9
50	MGM-CPCStable	500	CD	0.03	0.998	0.677	0.989	0.21	41
50	MGM-CPCStable	500	CD	0.05	0.998	0.68	0.955	0.216	40.85
50	MGM-CPCStable	500	CD	0.08	0.996	0.681	0.956	0.222	40.65
50	MGM-PCStable	100	CD	1e-04	1	0.401	0.416	0.144	59.35

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50	MGM-PCStable	100	CD	0.001	0.988	0.456	0.459	0.207	57.9
50	MGM-PCStable	100	CD	0.01	0.966	0.519	0.441	0.268	56.65
50	MGM-PCStable	100	CD	0.03	0.949	0.538	0.44	0.294	56.1
50	MGM-PCStable	100	CD	0.05	0.944	0.547	0.433	0.299	56.35
50	MGM-PCStable	100	CD	0.08	0.936	0.552	0.431	0.305	56.45
50	MGM-PCStable	300	CD	1e-04	1	0.585	0.495	0.416	57.3
50	MGM-PCStable	300	CD	0.001	0.998	0.618	0.489	0.449	56.4
50	MGM-PCStable	300	CD	0.01	0.998	0.634	0.493	0.47	55.55
50	MGM-PCStable	300	CD	0.03	0.996	0.645	0.492	0.481	55.35
50	MGM-PCStable	300	CD	0.05	0.996	0.649	0.498	0.489	54.9
50	MGM-PCStable	300	CD	0.08	0.996	0.651	0.497	0.492	54.85
50	MGM-PCStable	500	CD	1e-04	0.998	0.652	0.461	0.456	50.95
50	MGM-PCStable	500	CD	0.001	0.998	0.66	0.465	0.467	50.45
50	MGM-PCStable	500	CD	0.01	0.998	0.674	0.463	0.481	50.1
50	MGM-PCStable	500	CD	0.03	0.998	0.677	0.463	0.484	50
50	MGM-PCStable	500	CD	0.05	0.998	0.68	0.466	0.489	49.9
50	MGM-PCStable	500	CD	0.08	0.996	0.681	0.465	0.491	49.9
50	FGES	100	CD	1	0.924	0.617	0.742	0.166	48.05
50	FGES	100	CD	1.5	0.917	0.62	0.735	0.163	48.3
50	FGES	100	CD	2	0.914	0.624	0.733	0.164	48.4
50	FGES	100	CD	3	0.905	0.628	0.728	0.175	48.45
50	FGES	100	CD	4	0.9	0.629	0.726	0.176	48.7
50	FGES	100	CD	5	0.885	0.629	0.654	0.166	49.5
50	FGES	300	CD	1	0.979	0.683	0.729	0.262	46.95
50	FGES	300	CD	1.5	0.979	0.686	0.729	0.265	46.7
50	FGES	300	CD	2	0.979	0.685	0.733	0.273	46.65
50	FGES	300	CD	3	0.977	0.687	0.733	0.274	46.6
50	FGES	300	CD	4	0.977	0.691	0.744	0.277	46.15
50	FGES	300	CD	5	0.977	0.692	0.744	0.277	46.05
50	FGES	500	CD	1	0.98	0.773	0.754	0.347	36.7
50	FGES	500	CD	1.5	0.977	0.776	0.767	0.35	36.7
50	FGES	500	CD	2	0.978	0.78	0.765	0.353	36.45
50	FGES	500	CD	3	0.978	0.783	0.766	0.356	36.25
50	FGES	500	CD	4	0.978	0.785	0.767	0.357	36.15
50	FGES	500	CD	5	0.978	0.785	0.767	0.358	36.1
50	MGM-PCMax	100	CD	1e-04	1	0.407	0.284	0.062	59.9
50	MGM-PCMax	100	CD	0.001	0.988	0.46	0.287	0.081	59.1
50	MGM-PCMax	100	CD	0.01	0.963	0.52	0.302	0.118	57.9
50	MGM-PCMax	100	CD	0.03	0.949	0.54	0.331	0.135	57.25
50	MGM-PCMax	100	CD	0.05	0.942	0.548	0.32	0.136	57.5
50	MGM-PCMax	100	CD	0.08	0.936	0.552	0.33	0.14	57.45
50	MGM-PCMax	300	CD	1e-04	1	0.585	0.456	0.212	58.1
50	MGM-PCMax	300	CD	0.001	0.998	0.619	0.449	0.227	57.6
50	MGM-PCMax	300	CD	0.01	0.998	0.634	0.47	0.243	55.9
50	MGM-PCMax	300	CD	0.03	0.996	0.645	0.461	0.243	56.05

50	MGM-PCMax	300	CD	0.05	0.996	0.649	0.456	0.242	56.2
50	MGM-PCMax	300	CD	0.08	0.996	0.651	0.452	0.242	56.15
50	MGM-PCMax	500	CD	1e-04	0.995	0.652	0.359	0.195	54.85
50	MGM-PCMax	500	CD	0.001	0.998	0.66	0.357	0.197	54.7
50	MGM-PCMax	500	CD	0.01	0.998	0.674	0.375	0.212	53.8
50	MGM-PCMax	500	CD	0.03	0.998	0.677	0.38	0.216	53.55
50	MGM-PCMax	500	CD	0.05	0.998	0.68	0.373	0.215	53.7
50	MGM-PCMax	500	CD	0.08	0.996	0.681	0.374	0.217	53.65
50	Copula-PC	100	DD	1e-04	0.9	0.057	NA	0	30.8
50	Copula-PC	100	DD	0.001	0.933	0.094	NA	0	30.15
50	Copula-PC	100	DD	0.01	0.751	0.162	1	0.008	30
50	Copula-PC	100	DD	0.03	0.684	0.203	1	0.007	31.2
50	Copula-PC	100	DD	0.05	0.597	0.23	0.75	0.014	32.15
50	Copula-PC	100	DD	0.08	0.495	0.269	0.556	0.02	34.75
50	Copula-PC	300	DD	1e-04	0.954	0.187	0.5	0.002	36.1
50	Copula-PC	300	DD	0.001	0.892	0.238	0.444	0.004	35.9
50	Copula-PC	300	DD	0.01	0.718	0.327	0.483	0.017	37.35
50	Copula-PC	300	DD	0.03	0.589	0.408	0.571	0.038	41.2
50	Copula-PC	300	DD	0.05	0.493	0.423	0.507	0.051	46.1
50	Copula-PC	300	DD	0.08	0.415	0.449	0.5	0.092	51.85
50	Copula-PC	500	DD	1e-04	0.948	0.376	0.75	0.014	29.95
50	Copula-PC	500	DD	0.001	0.879	0.449	0.814	0.046	29.8
50	Copula-PC	500	DD	0.01	0.702	0.551	0.635	0.1	33.05
50	Copula-PC	500	DD	0.03	0.607	0.605	0.566	0.155	37.25
50	Copula-PC	500	DD	0.05	0.522	0.625	0.512	0.179	43.65
50	Copula-PC	500	DD	0.08	0.448	0.668	0.443	0.232	51.2
50	MGM-CPCStable	100	DD	1e-04	1	0.281	1	0.003	28.15
50	MGM-CPCStable	100	DD	0.001	0.986	0.289	1	0.005	28.05
50	MGM-CPCStable	100	DD	0.01	0.947	0.302	0.833	0.012	27.95
50	MGM-CPCStable	100	DD	0.03	0.909	0.302	0.65	0.022	28.2
50	MGM-CPCStable	100	DD	0.05	0.909	0.302	0.667	0.025	28.15
50	MGM-CPCStable	100	DD	0.08	0.909	0.304	0.543	0.028	28.1
50	MGM-CPCStable	300	DD	1e-04	1	0.386	1	0.037	32.8
50	MGM-CPCStable	300	DD	0.001	1	0.386	1	0.05	32.6
50	MGM-CPCStable	300	DD	0.01	0.983	0.386	1	0.066	32.4
50	MGM-CPCStable	300	DD	0.03	0.979	0.386	1	0.085	32.2
50	MGM-CPCStable	300	DD	0.05	0.97	0.387	1	0.08	32.4
50	MGM-CPCStable	300	DD	0.08	0.967	0.387	0.909	0.085	32.5
50	MGM-CPCStable	500	DD	1e-04	0.992	0.452	1	0.047	28.95
50	MGM-CPCStable	500	DD	0.001	0.992	0.452	1	0.081	28.35
50	MGM-CPCStable	500	DD	0.01	0.979	0.452	1	0.119	27.9
50	MGM-CPCStable	500	DD	0.03	0.964	0.452	0.988	0.131	28.05
50	MGM-CPCStable	500	DD	0.05	0.96	0.452	0.974	0.136	28.1
50	MGM-CPCStable	500	DD	0.08	0.96	0.452	0.974	0.137	28.1
50	MGM-PCStable	100	DD	1e-04	1	0.281	0.456	0.108	28.45



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50	MGM-PCStable	100	DD	0.001	0.986	0.289	0.439	0.125	28.55
50	MGM-PCStable	100	DD	0.01	0.947	0.302	0.414	0.148	28.4
50	MGM-PCStable	100	DD	0.03	0.909	0.302	0.388	0.142	28.75
50	MGM-PCStable	100	DD	0.05	0.909	0.302	0.392	0.145	28.7
50	MGM-PCStable	100	DD	0.08	0.909	0.304	0.389	0.147	28.7
50	MGM-PCStable	300	DD	1e-04	1	0.386	0.402	0.216	33.85
50	MGM-PCStable	300	DD	0.001	1	0.386	0.391	0.218	34
50	MGM-PCStable	300	DD	0.01	0.983	0.386	0.393	0.219	34.1
50	MGM-PCStable	300	DD	0.03	0.979	0.386	0.388	0.219	34.25
50	MGM-PCStable	300	DD	0.05	0.97	0.387	0.395	0.221	34.4
50	MGM-PCStable	300	DD	0.08	0.967	0.387	0.396	0.224	34.45
50	MGM-PCStable	500	DD	1e-04	0.992	0.452	0.548	0.327	29.4
50	MGM-PCStable	500	DD	0.001	0.992	0.452	0.546	0.327	29.45
50	MGM-PCStable	500	DD	0.01	0.979	0.452	0.513	0.327	29.7
50	MGM-PCStable	500	DD	0.03	0.964	0.452	0.508	0.327	30
50	MGM-PCStable	500	DD	0.05	0.96	0.452	0.505	0.327	30.1
50	MGM-PCStable	500	DD	0.08	0.96	0.452	0.504	0.327	30.15
50	FGES	100	DD	1	0.995	0.309	0.452	0.036	27.2
50	FGES	100	DD	1.5	0.995	0.312	0.5	0.039	27.2
50	FGES	100	DD	2	0.991	0.314	0.568	0.045	27.15
50	FGES	100	DD	3	0.991	0.314	0.556	0.045	27.2
50	FGES	100	DD	4	0.991	0.316	0.535	0.045	27.2
50	FGES	100	DD	5	0.991	0.316	0.612	0.045	27.15
50	FGES	300	DD	1	1	0.488	0.471	0.094	31.1
50	FGES	300	DD	1.5	1	0.488	0.471	0.094	31.1
50	FGES	300	DD	2	1	0.488	0.455	0.099	31.2
50	FGES	300	DD	3	1	0.488	0.455	0.099	31.2
50	FGES	300	DD	4	1	0.493	0.434	0.097	31.15
50	FGES	300	DD	5	1	0.493	0.455	0.099	31.15
50	FGES	500	DD	1	1	0.612	0.557	0.168	25.05
50	FGES	500	DD	1.5	1	0.614	0.559	0.169	24.95
50	FGES	500	DD	2	1	0.614	0.557	0.171	25
50	FGES	500	DD	3	1	0.614	0.557	0.171	25
50	FGES	500	DD	4	1	0.614	0.557	0.171	25
50	FGES	500	DD	5	1	0.616	0.559	0.173	24.9
50	MGM-PCMax	100	DD	1e-04	0.978	0.297	0.427	0.062	28.4
50	MGM-PCMax	100	DD	0.001	0.968	0.299	0.332	0.059	28.8
50	MGM-PCMax	100	DD	0.01	0.917	0.302	0.319	0.078	28.7
50	MGM-PCMax	100	DD	0.03	0.902	0.302	0.311	0.08	28.9
50	MGM-PCMax	100	DD	0.05	0.902	0.302	0.318	0.082	28.85
50	MGM-PCMax	100	DD	0.08	0.909	0.304	0.305	0.079	28.85
50	MGM-PCMax	300	DD	1e-04	1	0.386	0.24	0.073	35.4
50	MGM-PCMax	300	DD	0.001	1	0.386	0.266	0.078	35.25
50	MGM-PCMax	300	DD	0.01	0.983	0.386	0.251	0.076	35.55
50	MGM-PCMax	300	DD	0.03	0.979	0.386	0.254	0.078	35.6

50	MGM-PCMax	300	DD	0.05	0.97	0.387	0.268	0.079	35.7
50	MGM-PCMax	300	DD	0.08	0.967	0.387	0.27	0.082	35.75
50	MGM-PCMax	500	DD	1e-04	0.992	0.452	0.541	0.194	29.75
50	MGM-PCMax	500	DD	0.001	0.986	0.452	0.537	0.194	29.85
50	MGM-PCMax	500	DD	0.01	0.979	0.452	0.497	0.192	30.1
50	MGM-PCMax	500	DD	0.03	0.96	0.452	0.475	0.189	30.6
50	MGM-PCMax	500	DD	0.05	0.96	0.452	0.475	0.189	30.6
50	MGM-PCMax	500	DD	0.08	0.96	0.452	0.475	0.189	30.6
100	Copula-PC	300	All	1e-04	0.979	0.438	0.991	0.073	225.1
100	Copula-PC	300	All	0.001	0.954	0.484	0.969	0.103	217.2
100	Copula-PC	300	All	0.01	0.831	0.555	0.893	0.146	221.55
100	Copula-PC	300	All	0.03	0.693	0.593	0.841	0.182	249.6
100	Copula-PC	300	All	0.05	0.601	0.609	0.761	0.208	284.5
100	Copula-PC	300	All	0.08	0.513	0.627	0.7	0.235	334.1
100	Copula-PC	500	All	1e-04	0.959	0.516	0.955	0.166	201.9
100	Copula-PC	500	All	0.001	0.919	0.57	0.944	0.197	197.9
100	Copula-PC	500	All	0.01	0.787	0.629	0.897	0.259	214.8
100	Copula-PC	500	All	0.03	0.649	0.667	0.801	0.312	257.65
100	Copula-PC	500	All	0.05	0.567	0.682	0.739	0.333	299.65
100	Copula-PC	500	All	0.08	0.485	0.695	0.651	0.365	357.7
100	MGM-CPCStable	100	All	1e-04	0.989	0.409	0.958	0.016	210.25
100	MGM-CPCStable	100	All	0.001	0.985	0.465	0.942	0.028	201.65
100	MGM-CPCStable	100	All	0.01	0.954	0.521	0.981	0.055	193.9
100	MGM-CPCStable	100	All	0.03	0.943	0.549	0.924	0.071	190.5
100	MGM-CPCStable	100	All	0.05	0.94	0.562	0.917	0.087	187.1
100	MGM-CPCStable	100	All	0.08	0.931	0.571	0.905	0.096	186.2
100	MGM-CPCStable	300	All	1e-04	0.994	0.651	0.962	0.067	197.35
100	MGM-CPCStable	300	All	0.001	0.988	0.684	0.957	0.098	188.55
100	MGM-CPCStable	300	All	0.01	0.984	0.716	0.971	0.159	175.85
100	MGM-CPCStable	300	All	0.03	0.982	0.727	0.97	0.2	168.3
100	MGM-CPCStable	300	All	0.05	0.979	0.731	0.968	0.224	165
100	MGM-CPCStable	300	All	0.08	0.976	0.735	0.96	0.251	161.55
100	MGM-CPCStable	500	All	1e-04	0.997	0.706	0.986	0.187	165.95
100	MGM-CPCStable	500	All	0.001	0.995	0.723	0.984	0.231	157.4
100	MGM-CPCStable	500	All	0.01	0.992	0.737	0.993	0.288	147.75
100	MGM-CPCStable	500	All	0.03	0.987	0.742	0.987	0.329	142.2
100	MGM-CPCStable	500	All	0.05	0.984	0.743	0.981	0.345	140.7
100	MGM-CPCStable	500	All	0.08	0.979	0.746	0.977	0.359	139.5
100	MGM-PCStable	100	All	1e-04	0.989	0.409	0.427	0.177	218.5
100	MGM-PCStable	100	All	0.001	0.985	0.465	0.433	0.237	212.8
100	MGM-PCStable	100	All	0.01	0.954	0.521	0.437	0.317	208.4
100	MGM-PCStable	100	All	0.03	0.943	0.549	0.436	0.351	206.1
100	MGM-PCStable	100	All	0.05	0.94	0.562	0.434	0.365	205.15
100	MGM-PCStable	100	All	0.08	0.931	0.571	0.431	0.378	205.55
100	MGM-PCStable	300	All	1e-04	0.994	0.651	0.477	0.459	212.25

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100	MGM-PCStable	300	All	0.001	0.988	0.684	0.476	0.5	207.45
100	MGM-PCStable	300	All	0.01	0.984	0.716	0.481	0.545	201.7
100	MGM-PCStable	300	All	0.03	0.982	0.727	0.481	0.558	199.95
100	MGM-PCStable	300	All	0.05	0.979	0.731	0.48	0.562	200.1
100	MGM-PCStable	300	All	0.08	0.976	0.735	0.479	0.567	200.15
100	MGM-PCStable	500	All	1e-04	0.997	0.706	0.495	0.584	193.7
100	MGM-PCStable	500	All	0.001	0.995	0.723	0.496	0.607	190.8
100	MGM-PCStable	500	All	0.01	0.992	0.737	0.496	0.625	189.3
100	MGM-PCStable	500	All	0.03	0.987	0.742	0.494	0.634	189.35
100	MGM-PCStable	500	All	0.05	0.984	0.743	0.493	0.635	189.85
100	MGM-PCStable	500	All	0.08	0.979	0.746	0.491	0.636	190.65
100	FGES	100	All	1	0.892	0.586	0.706	0.229	180.35
100	FGES	100	All	1.5	0.879	0.59	0.693	0.237	181.5
100	FGES	100	All	2	0.872	0.591	0.689	0.242	182.3
100	FGES	100	All	3	0.861	0.595	0.67	0.245	183.9
100	FGES	100	All	4	0.853	0.598	0.665	0.25	184.95
100	FGES	100	All	5	0.844	0.6	0.655	0.261	185.65
100	FGES	300	All	1	0.963	0.745	0.747	0.377	158.65
100	FGES	300	All	1.5	0.96	0.746	0.745	0.379	158.9
100	FGES	300	All	2	0.958	0.748	0.743	0.381	158.85
100	FGES	300	All	3	0.952	0.749	0.741	0.381	159.65
100	FGES	300	All	4	0.947	0.749	0.74	0.381	160.55
100	FGES	300	All	5	0.943	0.749	0.736	0.381	161.4
100	FGES	500	All	1	0.97	0.784	0.757	0.505	134.95
100	FGES	500	All	1.5	0.967	0.786	0.755	0.506	135.1
100	FGES	500	All	2	0.967	0.788	0.755	0.507	134.7
100	FGES	500	All	3	0.964	0.789	0.752	0.509	135.4
100	FGES	500	All	4	0.962	0.79	0.751	0.509	135.55
100	FGES	500	All	5	0.96	0.791	0.75	0.511	135.8
100	MGM-PCMax	100	All	1e-04	0.983	0.412	0.345	0.086	220.75
100	MGM-PCMax	100	All	0.001	0.983	0.468	0.354	0.112	215.15
100	MGM-PCMax	100	All	0.01	0.951	0.523	0.365	0.15	211.65
100	MGM-PCMax	100	All	0.03	0.941	0.552	0.38	0.173	209.4
100	MGM-PCMax	100	All	0.05	0.939	0.562	0.378	0.178	208.5
100	MGM-PCMax	100	All	0.08	0.928	0.571	0.385	0.189	208.5
100	MGM-PCMax	300	All	1e-04	0.99	0.653	0.39	0.21	221.2
100	MGM-PCMax	300	All	0.001	0.986	0.684	0.392	0.228	216.15
100	MGM-PCMax	300	All	0.01	0.984	0.717	0.404	0.251	210.45
100	MGM-PCMax	300	All	0.03	0.982	0.728	0.405	0.258	208.9
100	MGM-PCMax	300	All	0.05	0.979	0.731	0.407	0.263	208.45
100	MGM-PCMax	300	All	0.08	0.976	0.735	0.408	0.266	207.9
100	MGM-PCMax	500	All	1e-04	0.997	0.706	0.41	0.258	207.45
100	MGM-PCMax	500	All	0.001	0.995	0.724	0.415	0.27	204.2
100	MGM-PCMax	500	All	0.01	0.991	0.737	0.423	0.283	201.4
100	MGM-PCMax	500	All	0.03	0.987	0.742	0.427	0.289	200.75

100	MGM-PCMax	500	All	0.05	0.984	0.743	0.424	0.29	201.6
100	MGM-PCMax	500	All	0.08	0.979	0.746	0.426	0.294	201.65
100	Copula-PC	300	CC	1e-04	0.986	0.835	0.994	0.239	33
100	Copula-PC	300	CC	0.001	0.977	0.866	0.99	0.323	29.15
100	Copula-PC	300	CC	0.01	0.913	0.906	0.986	0.399	27.95
100	Copula-PC	300	CC	0.03	0.828	0.917	0.958	0.461	30.55
100	Copula-PC	300	CC	0.05	0.756	0.926	0.876	0.494	36
100	Copula-PC	300	CC	0.08	0.686	0.93	0.792	0.512	44.3
100	Copula-PC	500	CC	1e-04	0.982	0.9	0.978	0.461	25.95
100	Copula-PC	500	CC	0.001	0.975	0.914	0.977	0.501	24.2
100	Copula-PC	500	CC	0.01	0.934	0.944	0.967	0.573	23.4
100	Copula-PC	500	CC	0.03	0.888	0.952	0.943	0.622	25.25
100	Copula-PC	500	CC	0.05	0.83	0.953	0.918	0.635	30.3
100	Copula-PC	500	CC	0.08	0.772	0.954	0.879	0.643	36.45
100	MGM-CPCStable	100	CC	1e-04	0.997	0.589	0.975	0.045	46.05
100	MGM-CPCStable	100	CC	0.001	0.997	0.661	0.992	0.079	42.2
100	MGM-CPCStable	100	CC	0.01	0.954	0.715	0.995	0.133	40
100	MGM-CPCStable	100	CC	0.03	0.942	0.752	0.967	0.168	38.2
100	MGM-CPCStable	100	CC	0.05	0.94	0.777	0.957	0.208	36.45
100	MGM-CPCStable	100	CC	0.08	0.929	0.786	0.943	0.225	36.15
100	MGM-CPCStable	300	CC	1e-04	0.996	0.788	0.969	0.189	36.5
100	MGM-CPCStable	300	CC	0.001	0.982	0.831	0.974	0.251	33.25
100	MGM-CPCStable	300	CC	0.01	0.974	0.871	0.959	0.331	29.5
100	MGM-CPCStable	300	CC	0.03	0.972	0.888	0.957	0.379	27.4
100	MGM-CPCStable	300	CC	0.05	0.97	0.892	0.957	0.399	26.6
100	MGM-CPCStable	300	CC	0.08	0.966	0.898	0.959	0.423	25.75
100	MGM-CPCStable	500	CC	1e-04	0.996	0.879	0.988	0.449	26.25
100	MGM-CPCStable	500	CC	0.001	0.994	0.896	0.984	0.493	24.1
100	MGM-CPCStable	500	CC	0.01	0.994	0.914	0.993	0.536	21.75
100	MGM-CPCStable	500	CC	0.03	0.992	0.916	0.988	0.551	21.3
100	MGM-CPCStable	500	CC	0.05	0.991	0.916	0.988	0.556	21.2
100	MGM-CPCStable	500	CC	0.08	0.985	0.92	0.989	0.564	21
100	MGM-PCStable	100	CC	1e-04	0.997	0.589	0.436	0.27	49.75
100	MGM-PCStable	100	CC	0.001	0.997	0.661	0.447	0.362	47.45
100	MGM-PCStable	100	CC	0.01	0.954	0.715	0.444	0.454	46.75
100	MGM-PCStable	100	CC	0.03	0.942	0.752	0.441	0.503	45.95
100	MGM-PCStable	100	CC	0.05	0.94	0.777	0.438	0.529	45.65
100	MGM-PCStable	100	CC	0.08	0.929	0.786	0.434	0.548	45.95
100	MGM-PCStable	300	CC	1e-04	0.996	0.788	0.483	0.554	43.9
100	MGM-PCStable	300	CC	0.001	0.982	0.831	0.476	0.613	42.5
100	MGM-PCStable	300	CC	0.01	0.974	0.871	0.482	0.677	40.5
100	MGM-PCStable	300	CC	0.03	0.972	0.888	0.479	0.695	40.05
100	MGM-PCStable	300	CC	0.05	0.97	0.892	0.479	0.7	39.95
100	MGM-PCStable	300	CC	0.08	0.966	0.898	0.479	0.71	39.85
100	MGM-PCStable	500	CC	1e-04	0.996	0.879	0.498	0.756	42.7

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100	MGM-PCStable	500	CC	0.001	0.994	0.896	0.501	0.787	41.8
100	MGM-PCStable	500	CC	0.01	0.994	0.914	0.501	0.813	41.05
100	MGM-PCStable	500	CC	0.03	0.992	0.916	0.499	0.814	41.2
100	MGM-PCStable	500	CC	0.05	0.991	0.916	0.498	0.814	41.3
100	MGM-PCStable	500	CC	0.08	0.985	0.92	0.496	0.815	41.65
100	FGES	100	CC	1	0.876	0.858	0.797	0.498	29.5
100	FGES	100	CC	1.5	0.86	0.86	0.77	0.505	30.3
100	FGES	100	CC	2	0.853	0.866	0.774	0.515	30.45
100	FGES	100	CC	3	0.843	0.867	0.756	0.52	31.25
100	FGES	100	CC	4	0.835	0.87	0.749	0.528	31.6
100	FGES	100	CC	5	0.822	0.873	0.726	0.544	32
100	FGES	300	CC	1	0.924	0.95	0.837	0.625	22.4
100	FGES	300	CC	1.5	0.918	0.95	0.831	0.626	22.85
100	FGES	300	CC	2	0.916	0.951	0.827	0.63	22.8
100	FGES	300	CC	3	0.905	0.951	0.823	0.63	23.4
100	FGES	300	CC	4	0.892	0.951	0.82	0.629	24.2
100	FGES	300	CC	5	0.883	0.951	0.811	0.629	24.8
100	FGES	500	CC	1	0.944	0.983	0.857	0.779	16.3
100	FGES	500	CC	1.5	0.938	0.984	0.855	0.78	16.6
100	FGES	500	CC	2	0.938	0.986	0.855	0.782	16.4
100	FGES	500	CC	3	0.928	0.985	0.85	0.783	17.25
100	FGES	500	CC	4	0.923	0.987	0.846	0.785	17.55
100	FGES	500	CC	5	0.921	0.987	0.844	0.785	17.75
100	MGM-PCMax	100	CC	1e-04	0.994	0.591	0.352	0.148	50.35
100	MGM-PCMax	100	CC	0.001	0.996	0.661	0.368	0.186	48.15
100	MGM-PCMax	100	CC	0.01	0.947	0.715	0.393	0.236	47.25
100	MGM-PCMax	100	CC	0.03	0.939	0.755	0.388	0.258	46.75
100	MGM-PCMax	100	CC	0.05	0.938	0.777	0.378	0.267	46.6
100	MGM-PCMax	100	CC	0.08	0.926	0.786	0.381	0.276	46.8
100	MGM-PCMax	300	CC	1e-04	0.993	0.792	0.438	0.29	45
100	MGM-PCMax	300	CC	0.001	0.979	0.833	0.418	0.307	43.7
100	MGM-PCMax	300	CC	0.01	0.974	0.873	0.422	0.331	42.05
100	MGM-PCMax	300	CC	0.03	0.972	0.889	0.423	0.344	41.45
100	MGM-PCMax	300	CC	0.05	0.969	0.892	0.42	0.346	41.65
100	MGM-PCMax	300	CC	0.08	0.965	0.898	0.421	0.352	41.45
100	MGM-PCMax	500	CC	1e-04	0.996	0.879	0.45	0.363	45.1
100	MGM-PCMax	500	CC	0.001	0.994	0.896	0.45	0.37	44.45
100	MGM-PCMax	500	CC	0.01	0.991	0.914	0.451	0.383	43.75
100	MGM-PCMax	500	CC	0.03	0.991	0.916	0.446	0.378	44.1
100	MGM-PCMax	500	CC	0.05	0.99	0.916	0.438	0.373	44.7
100	MGM-PCMax	500	CC	0.08	0.984	0.92	0.442	0.382	44.55
100	Copula-PC	300	CD	1e-04	0.977	0.38	0.981	0.033	125.85
100	Copula-PC	300	CD	0.001	0.938	0.431	0.949	0.054	122.85
100	Copula-PC	300	CD	0.01	0.818	0.504	0.875	0.096	125.1
100	Copula-PC	300	CD	0.03	0.669	0.548	0.828	0.133	141.3

100	Copula-PC	300	CD	0.05	0.584	0.568	0.713	0.16	158.6
100	Copula-PC	300	CD	0.08	0.504	0.588	0.651	0.189	182.7
100	Copula-PC	500	CD	1e-04	0.958	0.416	0.905	0.088	112.65
100	Copula-PC	500	CD	0.001	0.922	0.465	0.944	0.119	110.05
100	Copula-PC	500	CD	0.01	0.805	0.525	0.882	0.182	113.6
100	Copula-PC	500	CD	0.03	0.672	0.576	0.782	0.237	128.9
100	Copula-PC	500	CD	0.05	0.587	0.592	0.742	0.264	146.3
100	Copula-PC	500	CD	0.08	0.499	0.609	0.659	0.3	172.35
100	MGM-CPCStable	100	CD	1e-04	0.976	0.348	1	0.003	110
100	MGM-CPCStable	100	CD	0.001	0.972	0.413	0.875	0.011	105.75
100	MGM-CPCStable	100	CD	0.01	0.942	0.489	0.962	0.03	101.1
100	MGM-CPCStable	100	CD	0.03	0.935	0.526	0.847	0.04	99.4
100	MGM-CPCStable	100	CD	0.05	0.932	0.539	0.863	0.052	97.8
100	MGM-CPCStable	100	CD	0.08	0.924	0.551	0.874	0.06	97.3
100	MGM-CPCStable	300	CD	1e-04	0.996	0.655	0.928	0.033	105.35
100	MGM-CPCStable	300	CD	0.001	0.994	0.696	0.942	0.055	100.05
100	MGM-CPCStable	300	CD	0.01	0.993	0.739	0.973	0.111	92.75
100	MGM-CPCStable	300	CD	0.03	0.991	0.753	0.98	0.157	87.95
100	MGM-CPCStable	300	CD	0.05	0.991	0.758	0.978	0.187	85.4
100	MGM-CPCStable	300	CD	0.08	0.99	0.762	0.967	0.218	83.05
100	MGM-CPCStable	500	CD	1e-04	0.997	0.696	0.984	0.102	89.15
100	MGM-CPCStable	500	CD	0.001	0.996	0.722	0.99	0.147	84.1
100	MGM-CPCStable	500	CD	0.01	0.994	0.737	0.997	0.215	78.05
100	MGM-CPCStable	500	CD	0.03	0.991	0.747	0.991	0.275	73.35
100	MGM-CPCStable	500	CD	0.05	0.988	0.75	0.978	0.295	72.15
100	MGM-CPCStable	500	CD	0.08	0.983	0.751	0.973	0.315	71.3
100	MGM-PCStable	100	CD	1e-04	0.976	0.348	0.406	0.151	112.9
100	MGM-PCStable	100	CD	0.001	0.972	0.413	0.411	0.208	109.75
100	MGM-PCStable	100	CD	0.01	0.942	0.489	0.422	0.298	107.05
100	MGM-PCStable	100	CD	0.03	0.935	0.526	0.426	0.339	105.5
100	MGM-PCStable	100	CD	0.05	0.932	0.539	0.426	0.352	104.85
100	MGM-PCStable	100	CD	0.08	0.924	0.551	0.425	0.367	104.85
100	MGM-PCStable	300	CD	1e-04	0.996	0.655	0.477	0.474	111.05
100	MGM-PCStable	300	CD	0.001	0.994	0.696	0.482	0.525	107.1
100	MGM-PCStable	300	CD	0.01	0.993	0.739	0.486	0.573	103.4
100	MGM-PCStable	300	CD	0.03	0.991	0.753	0.487	0.59	102.05
100	MGM-PCStable	300	CD	0.05	0.991	0.758	0.487	0.595	101.8
100	MGM-PCStable	300	CD	0.08	0.99	0.762	0.486	0.599	101.6
100	MGM-PCStable	500	CD	1e-04	0.997	0.696	0.491	0.583	97.8
100	MGM-PCStable	500	CD	0.001	0.996	0.722	0.492	0.609	95.7
100	MGM-PCStable	500	CD	0.01	0.994	0.737	0.492	0.629	94.55
100	MGM-PCStable	500	CD	0.03	0.991	0.747	0.492	0.643	93.9
100	MGM-PCStable	500	CD	0.05	0.988	0.75	0.491	0.646	94
100	MGM-PCStable	500	CD	0.08	0.983	0.751	0.49	0.647	94.4
100	FGES	100	CD	1	0.878	0.57	0.576	0.168	97.65

# EVALUATION OF CAUSAL STRUCTURE LEARNING

100	FGES	100	CD	1.5	0.865	0.576	0.578	0.178	98.1
100	FGES	100	CD	2	0.857	0.576	0.569	0.181	98.75
100	FGES	100	CD	3	0.844	0.58	0.547	0.185	99.7
100	FGES	100	CD	4	0.835	0.583	0.543	0.191	100.3
100	FGES	100	CD	5	0.825	0.585	0.568	0.204	100.9
100	FGES	300	CD	1	0.977	0.775	0.717	0.377	81.15
100	FGES	300	CD	1.5	0.974	0.778	0.716	0.379	80.95
100	FGES	300	CD	2	0.971	0.781	0.714	0.381	80.95
100	FGES	300	CD	3	0.968	0.782	0.713	0.381	81.15
100	FGES	300	CD	4	0.966	0.782	0.712	0.382	81.25
100	FGES	300	CD	5	0.964	0.782	0.711	0.382	81.45
100	FGES	500	CD	1	0.977	0.783	0.74	0.495	68.05
100	FGES	500	CD	1.5	0.975	0.786	0.738	0.496	67.9
100	FGES	500	CD	2	0.975	0.788	0.737	0.497	67.7
100	FGES	500	CD	3	0.975	0.79	0.736	0.5	67.6
100	FGES	500	CD	4	0.975	0.792	0.736	0.5	67.45
100	FGES	500	CD	5	0.972	0.793	0.736	0.503	67.5
100	MGM-PCMax	100	CD	1e-04	0.971	0.353	0.344	0.072	113.5
100	MGM-PCMax	100	CD	0.001	0.972	0.419	0.345	0.099	110.5
100	MGM-PCMax	100	CD	0.01	0.939	0.492	0.344	0.137	108.55
100	MGM-PCMax	100	CD	0.03	0.932	0.529	0.387	0.169	106.55
100	MGM-PCMax	100	CD	0.05	0.931	0.539	0.393	0.176	105.55
100	MGM-PCMax	100	CD	0.08	0.923	0.551	0.41	0.19	105.1
100	MGM-PCMax	300	CD	1e-04	0.994	0.657	0.386	0.212	115.8
100	MGM-PCMax	300	CD	0.001	0.993	0.697	0.392	0.234	112.2
100	MGM-PCMax	300	CD	0.01	0.993	0.74	0.409	0.265	108.3
100	MGM-PCMax	300	CD	0.03	0.991	0.754	0.414	0.274	106.8
100	MGM-PCMax	300	CD	0.05	0.991	0.758	0.419	0.281	105.85
100	MGM-PCMax	300	CD	0.08	0.99	0.762	0.421	0.284	105.25
100	MGM-PCMax	500	CD	1e-04	0.997	0.696	0.404	0.254	104.3
100	MGM-PCMax	500	CD	0.001	0.996	0.722	0.417	0.275	101.5
100	MGM-PCMax	500	CD	0.01	0.994	0.738	0.431	0.294	99.05
100	MGM-PCMax	500	CD	0.03	0.991	0.748	0.439	0.305	98
100	MGM-PCMax	500	CD	0.05	0.988	0.75	0.439	0.308	98.05
100	MGM-PCMax	500	CD	0.08	0.982	0.751	0.438	0.31	98.35
100	Copula-PC	300	DD	1e-04	0.961	0.185	NA	0	66.25
100	Copula-PC	300	DD	0.001	0.926	0.234	0.25	0.001	65.2
100	Copula-PC	300	DD	0.01	0.696	0.336	0.622	0.015	68.5
100	Copula-PC	300	DD	0.03	0.534	0.382	0.414	0.021	77.75
100	Copula-PC	300	DD	0.05	0.426	0.4	0.389	0.034	89.9
100	Copula-PC	300	DD	0.08	0.332	0.425	0.37	0.065	107.1
100	Copula-PC	500	DD	1e-04	0.893	0.319	0.727	0.016	63.3
100	Copula-PC	500	DD	0.001	0.802	0.425	0.639	0.032	63.65
100	Copula-PC	500	DD	0.01	0.574	0.514	0.586	0.077	77.8
100	Copula-PC	500	DD	0.03	0.412	0.558	0.46	0.136	103.5

100	Copula-PC	500	DD	0.05	0.348	0.586	0.369	0.15	123.05
100	Copula-PC	500	DD	0.08	0.287	0.603	0.319	0.198	148.9
100	MGM-CPCStable	100	DD	1e-04	1	0.36	0.667	0.007	54.2
100	MGM-CPCStable	100	DD	0.001	0.992	0.382	0.5	0.008	53.7
100	MGM-CPCStable	100	DD	0.01	0.986	0.402	0.931	0.021	52.8
100	MGM-CPCStable	100	DD	0.03	0.978	0.406	0.832	0.031	52.9
100	MGM-CPCStable	100	DD	0.05	0.97	0.408	0.792	0.032	52.85
100	MGM-CPCStable	100	DD	0.08	0.96	0.409	0.801	0.04	52.75
100	MGM-CPCStable	300	DD	1e-04	0.976	0.522	1	0.024	55.5
100	MGM-CPCStable	300	DD	0.001	0.965	0.524	0.928	0.046	55.25
100	MGM-CPCStable	300	DD	0.01	0.954	0.526	0.978	0.098	53.6
100	MGM-CPCStable	300	DD	0.03	0.949	0.527	0.967	0.125	52.95
100	MGM-CPCStable	300	DD	0.05	0.937	0.527	0.957	0.138	53
100	MGM-CPCStable	300	DD	0.08	0.926	0.529	0.947	0.157	52.75
100	MGM-CPCStable	500	DD	1e-04	0.998	0.545	0.986	0.085	50.55
100	MGM-CPCStable	500	DD	0.001	0.994	0.545	0.981	0.128	49.2
100	MGM-CPCStable	500	DD	0.01	0.981	0.546	0.99	0.172	47.95
100	MGM-CPCStable	500	DD	0.03	0.961	0.546	0.98	0.202	47.55
100	MGM-CPCStable	500	DD	0.05	0.955	0.546	0.976	0.22	47.35
100	MGM-CPCStable	500	DD	0.08	0.952	0.547	0.964	0.226	47.2
100	MGM-PCStable	100	DD	1e-04	1	0.36	0.422	0.132	55.85
100	MGM-PCStable	100	DD	0.001	0.992	0.382	0.407	0.165	55.6
100	MGM-PCStable	100	DD	0.01	0.986	0.402	0.42	0.214	54.6
100	MGM-PCStable	100	DD	0.03	0.978	0.406	0.419	0.221	54.65
100	MGM-PCStable	100	DD	0.05	0.97	0.408	0.42	0.226	54.65
100	MGM-PCStable	100	DD	0.08	0.96	0.409	0.42	0.232	54.75
100	MGM-PCStable	300	DD	1e-04	0.976	0.522	0.457	0.336	57.3
100	MGM-PCStable	300	DD	0.001	0.965	0.524	0.445	0.341	57.85
100	MGM-PCStable	300	DD	0.01	0.954	0.526	0.444	0.357	57.8
100	MGM-PCStable	300	DD	0.03	0.949	0.527	0.445	0.36	57.85
100	MGM-PCStable	300	DD	0.05	0.937	0.527	0.44	0.36	58.35
100	MGM-PCStable	300	DD	0.08	0.926	0.529	0.434	0.362	58.7
100	MGM-PCStable	500	DD	1e-04	0.998	0.545	0.503	0.407	53.2
100	MGM-PCStable	500	DD	0.001	0.994	0.545	0.503	0.409	53.3
100	MGM-PCStable	500	DD	0.01	0.981	0.546	0.498	0.414	53.7
100	MGM-PCStable	500	DD	0.03	0.961	0.546	0.486	0.417	54.25
100	MGM-PCStable	500	DD	0.05	0.955	0.546	0.483	0.417	54.55
100	MGM-PCStable	500	DD	0.08	0.952	0.547	0.482	0.418	54.6
100	FGES	100	DD	1	0.998	0.352	0.605	0.081	53.2
100	FGES	100	DD	1.5	0.995	0.353	0.628	0.086	53.1
100	FGES	100	DD	2	0.993	0.355	0.624	0.088	53.1
100	FGES	100	DD	3	0.993	0.361	0.622	0.089	52.95
100	FGES	100	DD	4	0.991	0.362	0.613	0.091	53.05
100	FGES	100	DD	5	0.995	0.363	0.618	0.092	52.75
100	FGES	300	DD	1	1	0.49	0.616	0.141	55.1



100	FGES	300	DD	1.5	1	0.49	0.616	0.141	55.1
100	FGES	300	DD	2	1	0.492	0.606	0.141	55.1
100	FGES	300	DD	3	1	0.492	0.606	0.141	55.1
100	FGES	300	DD	4	1	0.492	0.606	0.141	55.1
100	FGES	300	DD	5	1	0.492	0.597	0.143	55.15
100	FGES	500	DD	1	1	0.579	0.548	0.232	50.6
100	FGES	500	DD	1.5	1	0.579	0.548	0.232	50.6
100	FGES	500	DD	2	1	0.579	0.548	0.232	50.6
100	FGES	500	DD	3	1	0.58	0.548	0.233	50.55
100	FGES	500	DD	4	1	0.58	0.548	0.233	50.55
100	FGES	500	DD	5	1	0.583	0.544	0.233	50.55
100	MGM-PCMax	100	DD	1e-04	0.988	0.36	0.301	0.051	56.9
100	MGM-PCMax	100	DD	0.001	0.984	0.382	0.292	0.062	56.5
100	MGM-PCMax	100	DD	0.01	0.989	0.402	0.303	0.086	55.85
100	MGM-PCMax	100	DD	0.03	0.978	0.406	0.297	0.092	56.1
100	MGM-PCMax	100	DD	0.05	0.97	0.407	0.293	0.095	56.35
100	MGM-PCMax	100	DD	0.08	0.953	0.409	0.291	0.098	56.6
100	MGM-PCMax	300	DD	1e-04	0.96	0.522	0.307	0.125	60.4
100	MGM-PCMax	300	DD	0.001	0.961	0.524	0.313	0.13	60.25
100	MGM-PCMax	300	DD	0.01	0.954	0.526	0.323	0.141	60.1
100	MGM-PCMax	300	DD	0.03	0.948	0.527	0.314	0.139	60.65
100	MGM-PCMax	300	DD	0.05	0.937	0.527	0.315	0.14	60.95
100	MGM-PCMax	300	DD	0.08	0.926	0.529	0.315	0.143	61.2
100	MGM-PCMax	500	DD	1e-04	0.998	0.545	0.35	0.155	58.05
100	MGM-PCMax	500	DD	0.001	0.994	0.545	0.346	0.154	58.25
100	MGM-PCMax	500	DD	0.01	0.977	0.546	0.347	0.156	58.6
100	MGM-PCMax	500	DD	0.03	0.961	0.546	0.352	0.162	58.65
100	MGM-PCMax	500	DD	0.05	0.955	0.546	0.352	0.163	58.85
100	MGM-PCMax	500	DD	0.08	0.952	0.547	0.357	0.165	58.75

Table 8: Comparison of mixed data structure learning algorithms with Lee and Hastie  
Simulated data with average density 2.5

Num_Vars	Algorithm	Sample.Size	Type	Parameter	AP	AR	AHP	AHR	SHD
50	Copula-PC	100	All	1e-04	0.979	0.154	0.875	0.008	217.25
50	Copula-PC	100	All	0.001	0.964	0.192	0.886	0.019	212.75
50	Copula-PC	100	All	0.01	0.918	0.25	0.873	0.036	207.8
50	Copula-PC	100	All	0.03	0.857	0.288	0.837	0.056	207.1
50	Copula-PC	100	All	0.05	0.803	0.309	0.809	0.066	210.1
50	Copula-PC	100	All	0.08	0.742	0.332	0.776	0.075	215.2
50	Copula-PC	300	All	1e-04	0.978	0.318	0.964	0.073	191.75
50	Copula-PC	300	All	0.001	0.956	0.362	0.937	0.095	187.05
50	Copula-PC	300	All	0.01	0.898	0.414	0.889	0.144	182.35
50	Copula-PC	300	All	0.03	0.846	0.455	0.858	0.175	182.9
50	Copula-PC	300	All	0.05	0.799	0.477	0.815	0.196	187.5

50	Copula-PC	300	All	0.08	0.744	0.497	0.782	0.214	194.95
50	Copula-PC	500	All	1e-04	0.939	0.395	0.871	0.123	197.4
50	Copula-PC	500	All	0.001	0.923	0.442	0.861	0.159	190.25
50	Copula-PC	500	All	0.01	0.873	0.495	0.801	0.208	187.5
50	Copula-PC	500	All	0.03	0.818	0.524	0.756	0.244	191.75
50	Copula-PC	500	All	0.05	0.784	0.54	0.746	0.265	195.05
50	Copula-PC	500	All	0.08	0.743	0.557	0.726	0.293	200.95
50	MGM-CPCStable	100	All	1e-04	0.977	0.234	1	0.011	209
50	MGM-CPCStable	100	All	0.001	0.966	0.26	0.727	0.01	207.2
50	MGM-CPCStable	100	All	0.01	0.946	0.292	0.85	0.022	204.25
50	MGM-CPCStable	100	All	0.03	0.931	0.303	0.845	0.033	203.2
50	MGM-CPCStable	100	All	0.05	0.928	0.309	0.88	0.038	202.4
50	MGM-CPCStable	100	All	0.08	0.915	0.314	0.808	0.039	203.3
50	MGM-CPCStable	300	All	1e-04	0.986	0.388	0.963	0.054	185.75
50	MGM-CPCStable	300	All	0.001	0.984	0.402	0.941	0.072	182.65
50	MGM-CPCStable	300	All	0.01	0.969	0.416	0.946	0.1	179.8
50	MGM-CPCStable	300	All	0.03	0.965	0.423	0.954	0.119	177.45
50	MGM-CPCStable	300	All	0.05	0.961	0.424	0.94	0.123	177.6
50	MGM-CPCStable	300	All	0.08	0.953	0.426	0.928	0.133	177.1
50	MGM-CPCStable	500	All	1e-04	0.963	0.401	0.915	0.079	198.9
50	MGM-CPCStable	500	All	0.001	0.959	0.408	0.898	0.092	197.45
50	MGM-CPCStable	500	All	0.01	0.955	0.416	0.9	0.109	195.25
50	MGM-CPCStable	500	All	0.03	0.951	0.418	0.897	0.12	194.3
50	MGM-CPCStable	500	All	0.05	0.947	0.419	0.905	0.126	193.85
50	MGM-CPCStable	500	All	0.08	0.942	0.42	0.914	0.13	193.75
50	MGM-PCStable	100	All	1e-04	0.977	0.234	0.374	0.099	216.1
50	MGM-PCStable	100	All	0.001	0.966	0.26	0.379	0.126	214.85
50	MGM-PCStable	100	All	0.01	0.946	0.292	0.385	0.165	213.25
50	MGM-PCStable	100	All	0.03	0.931	0.303	0.385	0.18	213.1
50	MGM-PCStable	100	All	0.05	0.928	0.309	0.386	0.187	212.75
50	MGM-PCStable	100	All	0.08	0.915	0.314	0.381	0.19	213.5
50	MGM-PCStable	300	All	1e-04	0.986	0.388	0.443	0.272	197.5
50	MGM-PCStable	300	All	0.001	0.984	0.402	0.446	0.288	196.05
50	MGM-PCStable	300	All	0.01	0.969	0.416	0.445	0.308	195.3
50	MGM-PCStable	300	All	0.03	0.965	0.423	0.445	0.316	194.75
50	MGM-PCStable	300	All	0.05	0.961	0.424	0.442	0.317	195.15
50	MGM-PCStable	300	All	0.08	0.953	0.426	0.439	0.32	195.7
50	MGM-PCStable	500	All	1e-04	0.963	0.401	0.446	0.306	212.35
50	MGM-PCStable	500	All	0.001	0.959	0.408	0.446	0.313	212.05
50	MGM-PCStable	500	All	0.01	0.955	0.416	0.445	0.321	211.75
50	MGM-PCStable	500	All	0.03	0.951	0.418	0.442	0.322	212
50	MGM-PCStable	500	All	0.05	0.947	0.419	0.441	0.324	212.2
50	MGM-PCStable	500	All	0.08	0.942	0.42	0.439	0.326	212.65
50	FGES	100	All	1	0.881	0.418	0.658	0.213	184.3
50	FGES	100	All	1.5	0.876	0.423	0.648	0.219	184.35

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50	FGES	100	All	2	0.871	0.427	0.644	0.22	184.65
50	FGES	100	All	3	0.869	0.43	0.643	0.223	184.6
50	FGES	100	All	4	0.864	0.432	0.638	0.224	185.05
50	FGES	100	All	5	0.862	0.433	0.635	0.225	185.2
50	FGES	300	All	1	0.927	0.583	0.723	0.363	149.05
50	FGES	300	All	1.5	0.927	0.584	0.719	0.368	148.75
50	FGES	300	All	2	0.926	0.585	0.719	0.368	148.65
50	FGES	300	All	3	0.925	0.587	0.723	0.37	148.45
50	FGES	300	All	4	0.923	0.588	0.721	0.373	148.4
50	FGES	300	All	5	0.921	0.589	0.72	0.373	148.65
50	FGES	500	All	1	0.909	0.625	0.728	0.432	152.5
50	FGES	500	All	1.5	0.91	0.626	0.728	0.432	152.2
50	FGES	500	All	2	0.909	0.628	0.728	0.434	152.05
50	FGES	500	All	3	0.908	0.629	0.728	0.43	152.35
50	FGES	500	All	4	0.905	0.629	0.725	0.43	152.85
50	FGES	500	All	5	0.903	0.63	0.723	0.43	153.1
50	MGM-PCMax	100	All	1e-04	0.955	0.237	0.322	0.058	217.15
50	MGM-PCMax	100	All	0.001	0.953	0.262	0.35	0.075	214.35
50	MGM-PCMax	100	All	0.01	0.941	0.293	0.354	0.092	212.7
50	MGM-PCMax	100	All	0.03	0.929	0.304	0.36	0.1	212.25
50	MGM-PCMax	100	All	0.05	0.927	0.311	0.372	0.107	211.15
50	MGM-PCMax	100	All	0.08	0.914	0.314	0.365	0.108	212.1
50	MGM-PCMax	300	All	1e-04	0.978	0.389	0.385	0.136	199.45
50	MGM-PCMax	300	All	0.001	0.98	0.402	0.397	0.146	197.2
50	MGM-PCMax	300	All	0.01	0.966	0.417	0.404	0.159	196
50	MGM-PCMax	300	All	0.03	0.963	0.424	0.41	0.165	195.1
50	MGM-PCMax	300	All	0.05	0.96	0.425	0.412	0.166	195
50	MGM-PCMax	300	All	0.08	0.952	0.427	0.41	0.168	195.6
50	MGM-PCMax	500	All	1e-04	0.963	0.402	0.426	0.159	211.45
50	MGM-PCMax	500	All	0.001	0.959	0.408	0.43	0.164	210.6
50	MGM-PCMax	500	All	0.01	0.955	0.417	0.432	0.17	210
50	MGM-PCMax	500	All	0.03	0.95	0.419	0.439	0.174	209.5
50	MGM-PCMax	500	All	0.05	0.944	0.419	0.433	0.174	210.25
50	MGM-PCMax	500	All	0.08	0.94	0.42	0.432	0.175	210.6
50	Copula-PC	100	CC	1e-04	0.978	0.429	0.875	0.029	45.25
50	Copula-PC	100	CC	0.001	0.965	0.507	0.899	0.073	42.7
50	Copula-PC	100	CC	0.01	0.949	0.592	0.9	0.131	39.5
50	Copula-PC	100	CC	0.03	0.919	0.634	0.881	0.181	38.15
50	Copula-PC	100	CC	0.05	0.886	0.652	0.875	0.204	38.55
50	Copula-PC	100	CC	0.08	0.845	0.667	0.914	0.235	39.05
50	Copula-PC	300	CC	1e-04	0.973	0.69	0.968	0.274	31.25
50	Copula-PC	300	CC	0.001	0.969	0.736	0.962	0.317	29.1
50	Copula-PC	300	CC	0.01	0.957	0.784	0.943	0.428	25.4
50	Copula-PC	300	CC	0.03	0.921	0.807	0.931	0.473	25
50	Copula-PC	300	CC	0.05	0.906	0.819	0.925	0.512	24.55

50	Copula-PC	300	CC	0.08	0.89	0.838	0.903	0.524	24.55
50	Copula-PC	500	CC	1e-04	0.939	0.7	0.892	0.342	36.05
50	Copula-PC	500	CC	0.001	0.941	0.735	0.873	0.399	33.5
50	Copula-PC	500	CC	0.01	0.937	0.764	0.875	0.487	29.95
50	Copula-PC	500	CC	0.03	0.918	0.78	0.859	0.52	29.95
50	Copula-PC	500	CC	0.05	0.916	0.786	0.857	0.541	29.2
50	Copula-PC	500	CC	0.08	0.884	0.797	0.847	0.566	29.8
50	MGM-CPCStable	100	CC	1e-04	0.991	0.4	1	0.038	45.55
50	MGM-CPCStable	100	CC	0.001	0.986	0.435	0.767	0.038	44.85
50	MGM-CPCStable	100	CC	0.01	0.96	0.491	0.764	0.064	43.7
50	MGM-CPCStable	100	CC	0.03	0.955	0.513	0.808	0.101	42.4
50	MGM-CPCStable	100	CC	0.05	0.949	0.524	0.891	0.116	41.95
50	MGM-CPCStable	100	CC	0.08	0.931	0.529	0.907	0.12	42.4
50	MGM-CPCStable	300	CC	1e-04	0.987	0.608	0.979	0.191	34.6
50	MGM-CPCStable	300	CC	0.001	0.99	0.636	0.962	0.224	33.15
50	MGM-CPCStable	300	CC	0.01	0.977	0.652	0.967	0.282	32.05
50	MGM-CPCStable	300	CC	0.03	0.977	0.657	0.972	0.307	31.4
50	MGM-CPCStable	300	CC	0.05	0.974	0.659	0.964	0.306	31.55
50	MGM-CPCStable	300	CC	0.08	0.969	0.662	0.974	0.311	31.4
50	MGM-CPCStable	500	CC	1e-04	0.962	0.582	0.908	0.207	42.4
50	MGM-CPCStable	500	CC	0.001	0.962	0.588	0.895	0.224	41.9
50	MGM-CPCStable	500	CC	0.01	0.963	0.593	0.898	0.238	41.35
50	MGM-CPCStable	500	CC	0.03	0.965	0.598	0.902	0.246	40.85
50	MGM-CPCStable	500	CC	0.05	0.965	0.598	0.898	0.248	40.85
50	MGM-CPCStable	500	CC	0.08	0.957	0.601	0.902	0.251	40.95
50	MGM-PCStable	100	CC	1e-04	0.991	0.4	0.418	0.207	48.7
50	MGM-PCStable	100	CC	0.001	0.986	0.435	0.4	0.245	48.35
50	MGM-PCStable	100	CC	0.01	0.96	0.491	0.407	0.32	47.6
50	MGM-PCStable	100	CC	0.03	0.955	0.513	0.411	0.346	47.05
50	MGM-PCStable	100	CC	0.05	0.949	0.524	0.413	0.36	46.9
50	MGM-PCStable	100	CC	0.08	0.931	0.529	0.406	0.368	47.4
50	MGM-PCStable	300	CC	1e-04	0.987	0.608	0.483	0.496	39.65
50	MGM-PCStable	300	CC	0.001	0.99	0.636	0.485	0.524	38.95
50	MGM-PCStable	300	CC	0.01	0.977	0.652	0.484	0.554	38.8
50	MGM-PCStable	300	CC	0.03	0.977	0.657	0.484	0.56	38.6
50	MGM-PCStable	300	CC	0.05	0.974	0.659	0.483	0.562	38.65
50	MGM-PCStable	300	CC	0.08	0.969	0.662	0.481	0.572	38.65
50	MGM-PCStable	500	CC	1e-04	0.962	0.582	0.458	0.471	48.55
50	MGM-PCStable	500	CC	0.001	0.962	0.588	0.456	0.479	48.45
50	MGM-PCStable	500	CC	0.01	0.963	0.593	0.456	0.485	48.35
50	MGM-PCStable	500	CC	0.03	0.965	0.598	0.457	0.49	48.15
50	MGM-PCStable	500	CC	0.05	0.965	0.598	0.457	0.493	48.1
50	MGM-PCStable	500	CC	0.08	0.957	0.601	0.456	0.495	48.3
50	FGES	100	CC	1	0.841	0.719	0.661	0.468	35.95
50	FGES	100	CC	1.5	0.835	0.729	0.65	0.476	36.15

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50	FGES	100	CC	2	0.826	0.73	0.644	0.478	36.55
50	FGES	100	CC	3	0.823	0.73	0.645	0.481	36.7
50	FGES	100	CC	4	0.815	0.734	0.636	0.485	36.95
50	FGES	100	CC	5	0.812	0.734	0.632	0.485	37.2
50	FGES	300	CC	1	0.86	0.885	0.729	0.651	26.15
50	FGES	300	CC	1.5	0.859	0.887	0.725	0.657	26.15
50	FGES	300	CC	2	0.858	0.887	0.724	0.657	26.25
50	FGES	300	CC	3	0.856	0.887	0.721	0.657	26.45
50	FGES	300	CC	4	0.85	0.889	0.717	0.665	26.55
50	FGES	300	CC	5	0.847	0.889	0.715	0.665	26.75
50	FGES	500	CC	1	0.83	0.873	0.698	0.673	32.9
50	FGES	500	CC	1.5	0.83	0.875	0.697	0.673	32.9
50	FGES	500	CC	2	0.83	0.876	0.697	0.675	32.9
50	FGES	500	CC	3	0.827	0.875	0.698	0.675	33.1
50	FGES	500	CC	4	0.82	0.877	0.693	0.675	33.5
50	FGES	500	CC	5	0.814	0.877	0.688	0.675	33.9
50	MGM-PCMax	100	CC	1e-04	0.982	0.403	0.353	0.111	49
50	MGM-PCMax	100	CC	0.001	0.974	0.442	0.376	0.144	47.7
50	MGM-PCMax	100	CC	0.01	0.955	0.493	0.399	0.185	46.6
50	MGM-PCMax	100	CC	0.03	0.951	0.514	0.409	0.203	46.05
50	MGM-PCMax	100	CC	0.05	0.949	0.525	0.426	0.216	45.6
50	MGM-PCMax	100	CC	0.08	0.929	0.529	0.4	0.212	46.65
50	MGM-PCMax	300	CC	1e-04	0.979	0.612	0.479	0.275	39.45
50	MGM-PCMax	300	CC	0.001	0.985	0.636	0.497	0.296	38.1
50	MGM-PCMax	300	CC	0.01	0.969	0.654	0.49	0.307	38.15
50	MGM-PCMax	300	CC	0.03	0.975	0.659	0.488	0.304	37.85
50	MGM-PCMax	300	CC	0.05	0.969	0.66	0.489	0.308	37.85
50	MGM-PCMax	300	CC	0.08	0.964	0.664	0.482	0.308	38.05
50	MGM-PCMax	500	CC	1e-04	0.962	0.586	0.465	0.265	47.4
50	MGM-PCMax	500	CC	0.001	0.962	0.588	0.468	0.267	47.25
50	MGM-PCMax	500	CC	0.01	0.963	0.595	0.471	0.271	46.9
50	MGM-PCMax	500	CC	0.03	0.962	0.6	0.492	0.282	46.2
50	MGM-PCMax	500	CC	0.05	0.959	0.6	0.486	0.281	46.4
50	MGM-PCMax	500	CC	0.08	0.954	0.603	0.486	0.283	46.45
50	Copula-PC	100	CD	1e-04	0.973	0.075	0.5	0.001	114.8
50	Copula-PC	100	CD	0.001	0.964	0.103	0.5	0.003	113.2
50	Copula-PC	100	CD	0.01	0.887	0.158	0.562	0.007	111.6
50	Copula-PC	100	CD	0.03	0.795	0.188	0.74	0.017	112.5
50	Copula-PC	100	CD	0.05	0.735	0.21	0.7	0.026	114.15
50	Copula-PC	100	CD	0.08	0.688	0.24	0.607	0.03	116.75
50	Copula-PC	300	CD	1e-04	0.982	0.245	0.952	0.021	103.85
50	Copula-PC	300	CD	0.001	0.951	0.294	0.851	0.039	101.35
50	Copula-PC	300	CD	0.01	0.889	0.353	0.819	0.081	98.8
50	Copula-PC	300	CD	0.03	0.838	0.398	0.768	0.112	98.7
50	Copula-PC	300	CD	0.05	0.785	0.417	0.722	0.128	101.55

50	Copula-PC	300	CD	0.08	0.737	0.435	0.695	0.153	104.35
50	Copula-PC	500	CD	1e-04	0.96	0.304	0.87	0.068	106
50	Copula-PC	500	CD	0.001	0.935	0.353	0.882	0.106	101.9
50	Copula-PC	500	CD	0.01	0.881	0.401	0.779	0.145	101.15
50	Copula-PC	500	CD	0.03	0.824	0.432	0.754	0.184	101.9
50	Copula-PC	500	CD	0.05	0.786	0.451	0.727	0.203	103.2
50	Copula-PC	500	CD	0.08	0.748	0.469	0.718	0.228	105.35
50	MGM-CPCStable	100	CD	1e-04	0.986	0.201	1	0.003	108.1
50	MGM-CPCStable	100	CD	0.001	0.973	0.232	0.375	0.002	107.05
50	MGM-CPCStable	100	CD	0.01	0.958	0.264	0.875	0.01	105.6
50	MGM-CPCStable	100	CD	0.03	0.933	0.273	0.775	0.014	105.5
50	MGM-CPCStable	100	CD	0.05	0.93	0.28	0.717	0.017	105.25
50	MGM-CPCStable	100	CD	0.08	0.923	0.285	0.569	0.018	105.45
50	MGM-CPCStable	300	CD	1e-04	0.988	0.423	0.78	0.02	94.1
50	MGM-CPCStable	300	CD	0.001	0.983	0.44	0.858	0.037	92.65
50	MGM-CPCStable	300	CD	0.01	0.979	0.46	0.898	0.066	90.3
50	MGM-CPCStable	300	CD	0.03	0.972	0.472	0.948	0.085	88.95
50	MGM-CPCStable	300	CD	0.05	0.967	0.472	0.935	0.094	88.75
50	MGM-CPCStable	300	CD	0.08	0.956	0.475	0.877	0.111	88.45
50	MGM-CPCStable	500	CD	1e-04	0.986	0.425	0.882	0.051	99.3
50	MGM-CPCStable	500	CD	0.001	0.985	0.432	0.861	0.067	98.2
50	MGM-CPCStable	500	CD	0.01	0.981	0.445	0.824	0.092	96.65
50	MGM-CPCStable	500	CD	0.03	0.977	0.447	0.825	0.104	96.15
50	MGM-CPCStable	500	CD	0.05	0.975	0.448	0.886	0.114	95.55
50	MGM-CPCStable	500	CD	0.08	0.973	0.449	0.966	0.121	95.1
50	MGM-PCStable	100	CD	1e-04	0.986	0.201	0.304	0.076	111.35
50	MGM-PCStable	100	CD	0.001	0.973	0.232	0.316	0.106	110.5
50	MGM-PCStable	100	CD	0.01	0.958	0.264	0.33	0.14	109.7
50	MGM-PCStable	100	CD	0.03	0.933	0.273	0.345	0.155	109.7
50	MGM-PCStable	100	CD	0.05	0.93	0.28	0.344	0.159	109.6
50	MGM-PCStable	100	CD	0.08	0.923	0.285	0.342	0.162	109.7
50	MGM-PCStable	300	CD	1e-04	0.988	0.423	0.414	0.276	100
50	MGM-PCStable	300	CD	0.001	0.983	0.44	0.417	0.296	99.25
50	MGM-PCStable	300	CD	0.01	0.979	0.46	0.425	0.321	98.05
50	MGM-PCStable	300	CD	0.03	0.972	0.472	0.427	0.334	97.65
50	MGM-PCStable	300	CD	0.05	0.967	0.472	0.422	0.334	97.9
50	MGM-PCStable	300	CD	0.08	0.956	0.475	0.417	0.337	98.4
50	MGM-PCStable	500	CD	1e-04	0.986	0.425	0.423	0.324	105.4
50	MGM-PCStable	500	CD	0.001	0.985	0.432	0.426	0.332	105
50	MGM-PCStable	500	CD	0.01	0.981	0.445	0.428	0.342	104.65
50	MGM-PCStable	500	CD	0.03	0.977	0.447	0.426	0.344	104.75
50	MGM-PCStable	500	CD	0.05	0.975	0.448	0.431	0.346	104.7
50	MGM-PCStable	500	CD	0.08	0.973	0.449	0.43	0.348	104.75
50	FGES	100	CD	1	0.901	0.376	0.668	0.165	96.2
50	FGES	100	CD	1.5	0.898	0.38	0.668	0.171	95.95

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50	FGES	100	CD	2	0.896	0.386	0.664	0.172	95.85
50	FGES	100	CD	3	0.893	0.391	0.663	0.175	95.7
50	FGES	100	CD	4	0.889	0.393	0.657	0.176	95.9
50	FGES	100	CD	5	0.888	0.396	0.658	0.178	95.8
50	FGES	300	CD	1	0.969	0.591	0.763	0.365	70.95
50	FGES	300	CD	1.5	0.969	0.593	0.758	0.369	70.8
50	FGES	300	CD	2	0.969	0.594	0.759	0.37	70.6
50	FGES	300	CD	3	0.97	0.599	0.759	0.376	70.25
50	FGES	300	CD	4	0.97	0.599	0.76	0.377	70.1
50	FGES	300	CD	5	0.968	0.6	0.76	0.377	70.15
50	FGES	500	CD	1	0.961	0.62	0.767	0.426	72.05
50	FGES	500	CD	1.5	0.962	0.622	0.768	0.427	71.75
50	FGES	500	CD	2	0.961	0.626	0.767	0.429	71.6
50	FGES	500	CD	3	0.961	0.628	0.767	0.424	71.65
50	FGES	500	CD	4	0.96	0.628	0.766	0.424	71.75
50	FGES	500	CD	5	0.96	0.629	0.766	0.425	71.6
50	MGM-PCMax	100	CD	1e-04	0.953	0.204	0.283	0.052	111.65
50	MGM-PCMax	100	CD	0.001	0.953	0.233	0.333	0.069	109.95
50	MGM-PCMax	100	CD	0.01	0.943	0.265	0.319	0.077	109.75
50	MGM-PCMax	100	CD	0.03	0.931	0.274	0.328	0.086	109.45
50	MGM-PCMax	100	CD	0.05	0.928	0.28	0.343	0.093	108.9
50	MGM-PCMax	100	CD	0.08	0.923	0.285	0.352	0.094	108.7
50	MGM-PCMax	300	CD	1e-04	0.982	0.425	0.32	0.126	101.9
50	MGM-PCMax	300	CD	0.001	0.98	0.44	0.329	0.137	100.95
50	MGM-PCMax	300	CD	0.01	0.979	0.46	0.352	0.155	99.15
50	MGM-PCMax	300	CD	0.03	0.969	0.472	0.366	0.167	98.45
50	MGM-PCMax	300	CD	0.05	0.969	0.472	0.368	0.168	98.35
50	MGM-PCMax	300	CD	0.08	0.957	0.475	0.37	0.171	98.65
50	MGM-PCMax	500	CD	1e-04	0.986	0.425	0.41	0.174	104.5
50	MGM-PCMax	500	CD	0.001	0.985	0.432	0.419	0.181	103.65
50	MGM-PCMax	500	CD	0.01	0.981	0.445	0.422	0.19	103.2
50	MGM-PCMax	500	CD	0.03	0.977	0.447	0.423	0.192	103.15
50	MGM-PCMax	500	CD	0.05	0.974	0.448	0.428	0.194	103.4
50	MGM-PCMax	500	CD	0.08	0.972	0.449	0.427	0.194	103.5
50	Copula-PC	100	DD	1e-04	1	0.047	NA	0	57.2
50	Copula-PC	100	DD	0.001	0.971	0.065	NA	0	56.85
50	Copula-PC	100	DD	0.01	0.866	0.101	1	0.002	56.7
50	Copula-PC	100	DD	0.03	0.774	0.149	0.75	0.011	56.45
50	Copula-PC	100	DD	0.05	0.704	0.171	0.5	0.011	57.4
50	Copula-PC	100	DD	0.08	0.607	0.194	0.389	0.014	59.4
50	Copula-PC	300	DD	1e-04	1	0.127	1	0.004	56.65
50	Copula-PC	300	DD	0.001	0.906	0.162	0.75	0.008	56.6
50	Copula-PC	300	DD	0.01	0.758	0.204	0.726	0.02	58.15
50	Copula-PC	300	DD	0.03	0.687	0.253	0.674	0.036	59.2
50	Copula-PC	300	DD	0.05	0.64	0.292	0.59	0.048	61.4

50	Copula-PC	300	DD	0.08	0.544	0.317	0.526	0.06	66.05
50	Copula-PC	500	DD	1e-04	0.908	0.269	0.719	0.014	55.35
50	Copula-PC	500	DD	0.001	0.865	0.32	0.622	0.023	54.85
50	Copula-PC	500	DD	0.01	0.762	0.413	0.52	0.052	56.4
50	Copula-PC	500	DD	0.03	0.676	0.452	0.481	0.086	59.9
50	Copula-PC	500	DD	0.05	0.627	0.473	0.495	0.112	62.65
50	Copula-PC	500	DD	0.08	0.577	0.495	0.457	0.146	65.8
50	MGM-CPCStable	100	DD	1e-04	0.911	0.145	NA	0	55.35
50	MGM-CPCStable	100	DD	0.001	0.907	0.151	NA	0	55.3
50	MGM-CPCStable	100	DD	0.01	0.92	0.162	1	0.005	54.95
50	MGM-CPCStable	100	DD	0.03	0.835	0.168	1	0.005	55.3
50	MGM-CPCStable	100	DD	0.05	0.835	0.17	1	0.007	55.2
50	MGM-CPCStable	100	DD	0.08	0.838	0.173	0.625	0.005	55.45
50	MGM-CPCStable	300	DD	1e-04	0.973	0.131	1	0.002	57.05
50	MGM-CPCStable	300	DD	0.001	0.984	0.131	1	0.008	56.85
50	MGM-CPCStable	300	DD	0.01	0.91	0.132	0.8	0.011	57.45
50	MGM-CPCStable	300	DD	0.03	0.895	0.134	0.926	0.025	57.1
50	MGM-CPCStable	300	DD	0.05	0.889	0.134	0.833	0.023	57.3
50	MGM-CPCStable	300	DD	0.08	0.889	0.134	0.767	0.025	57.25
50	MGM-CPCStable	500	DD	1e-04	0.897	0.181	1	0.01	57.2
50	MGM-CPCStable	500	DD	0.001	0.835	0.188	0.917	0.014	57.35
50	MGM-CPCStable	500	DD	0.01	0.825	0.191	0.944	0.023	57.25
50	MGM-CPCStable	500	DD	0.03	0.812	0.191	0.958	0.031	57.3
50	MGM-CPCStable	500	DD	0.05	0.804	0.191	0.929	0.034	57.45
50	MGM-CPCStable	500	DD	0.08	0.798	0.191	0.929	0.034	57.7
50	MGM-PCStable	100	DD	1e-04	0.911	0.145	0.334	0.041	56.05
50	MGM-PCStable	100	DD	0.001	0.907	0.151	0.301	0.052	56
50	MGM-PCStable	100	DD	0.01	0.92	0.162	0.331	0.067	55.95
50	MGM-PCStable	100	DD	0.03	0.835	0.168	0.32	0.073	56.35
50	MGM-PCStable	100	DD	0.05	0.835	0.17	0.326	0.078	56.25
50	MGM-PCStable	100	DD	0.08	0.838	0.173	0.328	0.08	56.4
50	MGM-PCStable	300	DD	1e-04	0.973	0.131	0.309	0.067	57.85
50	MGM-PCStable	300	DD	0.001	0.984	0.131	0.303	0.065	57.85
50	MGM-PCStable	300	DD	0.01	0.91	0.132	0.277	0.071	58.45
50	MGM-PCStable	300	DD	0.03	0.895	0.134	0.277	0.072	58.5
50	MGM-PCStable	300	DD	0.05	0.889	0.134	0.271	0.072	58.6
50	MGM-PCStable	300	DD	0.08	0.889	0.134	0.27	0.072	58.65
50	MGM-PCStable	500	DD	1e-04	0.897	0.181	0.353	0.115	58.4
50	MGM-PCStable	500	DD	0.001	0.835	0.188	0.335	0.122	58.6
50	MGM-PCStable	500	DD	0.01	0.825	0.191	0.334	0.125	58.75
50	MGM-PCStable	500	DD	0.03	0.812	0.191	0.327	0.125	59.1
50	MGM-PCStable	500	DD	0.05	0.804	0.191	0.324	0.125	59.4
50	MGM-PCStable	500	DD	0.08	0.798	0.191	0.322	0.125	59.6
50	FGES	100	DD	1	0.994	0.212	0.648	0.056	52.15
50	FGES	100	DD	1.5	0.991	0.215	0.639	0.057	52.25



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50	FGES	100	DD	2	0.991	0.215	0.639	0.057	52.25
50	FGES	100	DD	3	0.991	0.215	0.649	0.06	52.2
50	FGES	100	DD	4	0.991	0.215	0.649	0.06	52.2
50	FGES	100	DD	5	0.991	0.215	0.649	0.06	52.2
50	FGES	300	DD	1	1	0.292	0.511	0.1	51.95
50	FGES	300	DD	1.5	1	0.294	0.523	0.106	51.8
50	FGES	300	DD	2	1	0.294	0.523	0.106	51.8
50	FGES	300	DD	3	1	0.295	0.53	0.104	51.75
50	FGES	300	DD	4	1	0.295	0.53	0.104	51.75
50	FGES	300	DD	5	1	0.295	0.53	0.104	51.75
50	FGES	500	DD	1	1	0.374	0.735	0.186	47.55
50	FGES	500	DD	1.5	1	0.374	0.735	0.186	47.55
50	FGES	500	DD	2	1	0.374	0.735	0.186	47.55
50	FGES	500	DD	3	1	0.374	0.743	0.182	47.6
50	FGES	500	DD	4	1	0.374	0.743	0.182	47.6
50	FGES	500	DD	5	1	0.374	0.743	0.182	47.6
50	MGM-PCMax	100	DD	1e-04	0.842	0.148	0.275	0.021	56.5
50	MGM-PCMax	100	DD	0.001	0.881	0.153	0.222	0.02	56.7
50	MGM-PCMax	100	DD	0.01	0.894	0.164	0.281	0.036	56.35
50	MGM-PCMax	100	DD	0.03	0.835	0.17	0.275	0.036	56.75
50	MGM-PCMax	100	DD	0.05	0.835	0.174	0.279	0.039	56.65
50	MGM-PCMax	100	DD	0.08	0.838	0.173	0.283	0.041	56.75
50	MGM-PCMax	300	DD	1e-04	0.948	0.131	0.245	0.032	58.1
50	MGM-PCMax	300	DD	0.001	0.967	0.131	0.244	0.032	58.15
50	MGM-PCMax	300	DD	0.01	0.91	0.132	0.218	0.034	58.7
50	MGM-PCMax	300	DD	0.03	0.895	0.134	0.212	0.034	58.8
50	MGM-PCMax	300	DD	0.05	0.889	0.134	0.22	0.036	58.8
50	MGM-PCMax	300	DD	0.08	0.889	0.134	0.215	0.034	58.9
50	MGM-PCMax	500	DD	1e-04	0.897	0.181	0.185	0.032	59.55
50	MGM-PCMax	500	DD	0.001	0.835	0.188	0.179	0.036	59.7
50	MGM-PCMax	500	DD	0.01	0.825	0.191	0.177	0.038	59.9
50	MGM-PCMax	500	DD	0.03	0.812	0.191	0.18	0.04	60.15
50	MGM-PCMax	500	DD	0.05	0.804	0.191	0.176	0.04	60.45
50	MGM-PCMax	500	DD	0.08	0.798	0.191	0.173	0.04	60.65
100	Copula-PC	300	All	1e-04	0.962	0.307	0.942	0.069	400.2
100	Copula-PC	300	All	0.001	0.946	0.352	0.922	0.099	387.4
100	Copula-PC	300	All	0.01	0.89	0.416	0.904	0.145	376.85
100	Copula-PC	300	All	0.03	0.809	0.455	0.875	0.174	387.3
100	Copula-PC	300	All	0.05	0.755	0.481	0.846	0.197	398.95
100	Copula-PC	300	All	0.08	0.684	0.5	0.801	0.221	424.9
100	Copula-PC	500	All	1e-04	0.958	0.415	0.948	0.141	362
100	Copula-PC	500	All	0.001	0.929	0.459	0.924	0.181	351.3
100	Copula-PC	500	All	0.01	0.844	0.516	0.867	0.245	353.55
100	Copula-PC	500	All	0.03	0.756	0.547	0.808	0.287	376.55
100	Copula-PC	500	All	0.05	0.7	0.567	0.777	0.306	399.3

100	Copula-PC	500	All	0.08	0.643	0.584	0.727	0.333	430.3
100	MGM-CPCStable	100	All	1e-04	0.992	0.263	0.979	0.009	413.2
100	MGM-CPCStable	100	All	0.001	0.981	0.303	0.963	0.018	403.55
100	MGM-CPCStable	100	All	0.01	0.972	0.346	0.945	0.033	392.55
100	MGM-CPCStable	100	All	0.03	0.954	0.37	0.891	0.045	388.7
100	MGM-CPCStable	100	All	0.05	0.948	0.381	0.885	0.056	385.55
100	MGM-CPCStable	100	All	0.08	0.939	0.389	0.842	0.066	383.9
100	MGM-CPCStable	300	All	1e-04	0.982	0.467	0.964	0.068	364
100	MGM-CPCStable	300	All	0.001	0.98	0.5	0.956	0.099	351.25
100	MGM-CPCStable	300	All	0.01	0.971	0.524	0.948	0.146	338.3
100	MGM-CPCStable	300	All	0.03	0.965	0.537	0.931	0.175	331.4
100	MGM-CPCStable	300	All	0.05	0.961	0.542	0.922	0.192	328.15
100	MGM-CPCStable	300	All	0.08	0.955	0.546	0.935	0.207	325.6
100	MGM-CPCStable	500	All	1e-04	0.988	0.539	0.965	0.133	330.6
100	MGM-CPCStable	500	All	0.001	0.987	0.561	0.959	0.164	319.15
100	MGM-CPCStable	500	All	0.01	0.979	0.577	0.963	0.215	306.15
100	MGM-CPCStable	500	All	0.03	0.972	0.584	0.95	0.243	300.45
100	MGM-CPCStable	500	All	0.05	0.966	0.586	0.948	0.26	297.75
100	MGM-CPCStable	500	All	0.08	0.963	0.588	0.944	0.276	294.7
100	MGM-PCStable	100	All	1e-04	0.992	0.263	0.406	0.132	428.5
100	MGM-PCStable	100	All	0.001	0.981	0.303	0.417	0.178	421.55
100	MGM-PCStable	100	All	0.01	0.972	0.346	0.43	0.233	413.65
100	MGM-PCStable	100	All	0.03	0.954	0.37	0.43	0.266	410.8
100	MGM-PCStable	100	All	0.05	0.948	0.381	0.431	0.28	409.15
100	MGM-PCStable	100	All	0.08	0.939	0.389	0.429	0.29	408.65
100	MGM-PCStable	300	All	1e-04	0.982	0.467	0.462	0.374	388.6
100	MGM-PCStable	300	All	0.001	0.98	0.5	0.468	0.418	380.4
100	MGM-PCStable	300	All	0.01	0.971	0.524	0.467	0.447	376.6
100	MGM-PCStable	300	All	0.03	0.965	0.537	0.466	0.463	374.9
100	MGM-PCStable	300	All	0.05	0.961	0.542	0.465	0.469	374.55
100	MGM-PCStable	300	All	0.08	0.955	0.546	0.463	0.474	375.15
100	MGM-PCStable	500	All	1e-04	0.988	0.539	0.476	0.471	367.6
100	MGM-PCStable	500	All	0.001	0.987	0.561	0.478	0.497	361.95
100	MGM-PCStable	500	All	0.01	0.979	0.577	0.475	0.515	360.25
100	MGM-PCStable	500	All	0.03	0.972	0.584	0.474	0.525	359.75
100	MGM-PCStable	500	All	0.05	0.966	0.586	0.472	0.528	360.75
100	MGM-PCStable	500	All	0.08	0.963	0.588	0.47	0.529	361.25
100	FGES	100	All	1	0.89	0.423	0.68	0.26	358.8
100	FGES	100	All	1.5	0.887	0.425	0.677	0.263	358.9
100	FGES	100	All	2	0.882	0.429	0.668	0.271	358.85
100	FGES	100	All	3	0.878	0.432	0.661	0.278	358.75
100	FGES	100	All	4	0.871	0.433	0.655	0.282	359.9
100	FGES	100	All	5	0.867	0.434	0.652	0.28	361.4
100	FGES	300	All	1	0.918	0.576	0.722	0.418	301.6
100	FGES	300	All	1.5	0.913	0.578	0.716	0.419	303

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100	FGES	300	All	2	0.912	0.578	0.715	0.42	303.25
100	FGES	300	All	3	0.91	0.579	0.713	0.422	303.45
100	FGES	300	All	4	0.908	0.58	0.712	0.422	303.9
100	FGES	300	All	5	0.905	0.58	0.708	0.423	304.7
100	FGES	500	All	1	0.938	0.641	0.756	0.473	265.75
100	FGES	500	All	1.5	0.936	0.642	0.754	0.475	266.2
100	FGES	500	All	2	0.934	0.642	0.752	0.475	266.7
100	FGES	500	All	3	0.931	0.643	0.748	0.476	267.6
100	FGES	500	All	4	0.928	0.644	0.745	0.476	268.35
100	FGES	500	All	5	0.927	0.645	0.745	0.476	268.6
100	MGM-PCMax	100	All	1e-04	0.981	0.268	0.341	0.07	429.3
100	MGM-PCMax	100	All	0.001	0.971	0.306	0.358	0.091	423.1
100	MGM-PCMax	100	All	0.01	0.966	0.349	0.393	0.122	412.8
100	MGM-PCMax	100	All	0.03	0.947	0.371	0.403	0.14	409.25
100	MGM-PCMax	100	All	0.05	0.941	0.382	0.417	0.152	405.9
100	MGM-PCMax	100	All	0.08	0.933	0.39	0.42	0.159	404.9
100	MGM-PCMax	300	All	1e-04	0.977	0.47	0.413	0.182	393.05
100	MGM-PCMax	300	All	0.001	0.975	0.501	0.437	0.208	382.95
100	MGM-PCMax	300	All	0.01	0.966	0.525	0.447	0.225	377.05
100	MGM-PCMax	300	All	0.03	0.961	0.538	0.45	0.236	374.5
100	MGM-PCMax	300	All	0.05	0.958	0.543	0.455	0.242	372.6
100	MGM-PCMax	300	All	0.08	0.953	0.547	0.457	0.245	372.15
100	MGM-PCMax	500	All	1e-04	0.984	0.54	0.456	0.239	368.75
100	MGM-PCMax	500	All	0.001	0.984	0.562	0.476	0.261	358.8
100	MGM-PCMax	500	All	0.01	0.978	0.578	0.485	0.277	353.95
100	MGM-PCMax	500	All	0.03	0.971	0.585	0.485	0.282	353.4
100	MGM-PCMax	500	All	0.05	0.965	0.586	0.482	0.284	354.65
100	MGM-PCMax	500	All	0.08	0.962	0.588	0.481	0.285	355.05
100	Copula-PC	300	CC	1e-04	0.97	0.669	0.96	0.232	74.95
100	Copula-PC	300	CC	0.001	0.968	0.711	0.947	0.317	68.3
100	Copula-PC	300	CC	0.01	0.955	0.759	0.94	0.409	61.35
100	Copula-PC	300	CC	0.03	0.929	0.784	0.931	0.466	58.95
100	Copula-PC	300	CC	0.05	0.902	0.795	0.923	0.506	58.65
100	Copula-PC	300	CC	0.08	0.878	0.805	0.909	0.54	59.65
100	Copula-PC	500	CC	1e-04	0.974	0.767	0.971	0.414	52.45
100	Copula-PC	500	CC	0.001	0.965	0.805	0.968	0.5	46.3
100	Copula-PC	500	CC	0.01	0.948	0.835	0.956	0.61	40.05
100	Copula-PC	500	CC	0.03	0.921	0.852	0.936	0.647	40.3
100	Copula-PC	500	CC	0.05	0.907	0.863	0.924	0.662	40.4
100	Copula-PC	500	CC	0.08	0.882	0.87	0.909	0.686	41.95
100	MGM-CPCStable	100	CC	1e-04	0.996	0.384	1	0.035	95.65
100	MGM-CPCStable	100	CC	0.001	0.985	0.437	0.969	0.061	91.65
100	MGM-CPCStable	100	CC	0.01	0.981	0.503	0.967	0.101	85.95
100	MGM-CPCStable	100	CC	0.03	0.955	0.537	0.924	0.125	84.9
100	MGM-CPCStable	100	CC	0.05	0.953	0.553	0.923	0.147	83.35

100	MGM-CPCStable	100	CC	0.08	0.946	0.563	0.864	0.165	82.8
100	MGM-CPCStable	300	CC	1e-04	0.977	0.628	0.984	0.2	78.2
100	MGM-CPCStable	300	CC	0.001	0.976	0.677	0.97	0.268	72.25
100	MGM-CPCStable	300	CC	0.01	0.969	0.715	0.958	0.352	66.25
100	MGM-CPCStable	300	CC	0.03	0.968	0.725	0.951	0.383	64.15
100	MGM-CPCStable	300	CC	0.05	0.968	0.735	0.944	0.404	62.85
100	MGM-CPCStable	300	CC	0.08	0.963	0.739	0.943	0.42	62.5
100	MGM-CPCStable	500	CC	1e-04	0.985	0.716	0.964	0.357	58.5
100	MGM-CPCStable	500	CC	0.001	0.987	0.742	0.958	0.397	54.95
100	MGM-CPCStable	500	CC	0.01	0.977	0.758	0.963	0.45	52.1
100	MGM-CPCStable	500	CC	0.03	0.971	0.769	0.947	0.474	50.85
100	MGM-CPCStable	500	CC	0.05	0.968	0.771	0.947	0.48	50.55
100	MGM-CPCStable	500	CC	0.08	0.965	0.773	0.942	0.491	50.15
100	MGM-PCStable	100	CC	1e-04	0.996	0.384	0.433	0.218	101.05
100	MGM-PCStable	100	CC	0.001	0.985	0.437	0.445	0.288	98.35
100	MGM-PCStable	100	CC	0.01	0.981	0.503	0.455	0.373	94.65
100	MGM-PCStable	100	CC	0.03	0.955	0.537	0.452	0.425	94.15
100	MGM-PCStable	100	CC	0.05	0.953	0.553	0.45	0.443	93.55
100	MGM-PCStable	100	CC	0.08	0.946	0.563	0.447	0.456	93.55
100	MGM-PCStable	300	CC	1e-04	0.977	0.628	0.483	0.545	89.8
100	MGM-PCStable	300	CC	0.001	0.976	0.677	0.488	0.61	86.65
100	MGM-PCStable	300	CC	0.01	0.969	0.715	0.484	0.652	85.2
100	MGM-PCStable	300	CC	0.03	0.968	0.725	0.483	0.664	84.7
100	MGM-PCStable	300	CC	0.05	0.968	0.735	0.484	0.675	84.2
100	MGM-PCStable	300	CC	0.08	0.963	0.739	0.482	0.681	84.5
100	MGM-PCStable	500	CC	1e-04	0.985	0.716	0.48	0.634	79.45
100	MGM-PCStable	500	CC	0.001	0.987	0.742	0.485	0.669	77.3
100	MGM-PCStable	500	CC	0.01	0.977	0.758	0.482	0.692	77.05
100	MGM-PCStable	500	CC	0.03	0.971	0.769	0.481	0.705	76.65
100	MGM-PCStable	500	CC	0.05	0.968	0.771	0.479	0.707	76.85
100	MGM-PCStable	500	CC	0.08	0.965	0.773	0.477	0.709	77.1
100	FGES	100	CC	1	0.882	0.678	0.754	0.52	65.55
100	FGES	100	CC	1.5	0.877	0.681	0.749	0.523	65.7
100	FGES	100	CC	2	0.873	0.688	0.744	0.539	65.3
100	FGES	100	CC	3	0.87	0.693	0.738	0.548	65.3
100	FGES	100	CC	4	0.859	0.693	0.727	0.552	66.25
100	FGES	100	CC	5	0.854	0.696	0.714	0.547	67.15
100	FGES	300	CC	1	0.863	0.848	0.754	0.705	56.55
100	FGES	300	CC	1.5	0.855	0.848	0.746	0.705	57.75
100	FGES	300	CC	2	0.853	0.849	0.745	0.706	57.95
100	FGES	300	CC	3	0.85	0.848	0.741	0.706	58.4
100	FGES	300	CC	4	0.846	0.849	0.739	0.707	58.7
100	FGES	300	CC	5	0.841	0.848	0.733	0.708	59.3
100	FGES	500	CC	1	0.884	0.928	0.791	0.805	38
100	FGES	500	CC	1.5	0.88	0.928	0.788	0.805	38.45

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100	FGES	500	CC	2	0.877	0.928	0.785	0.805	38.85
100	FGES	500	CC	3	0.871	0.929	0.779	0.806	39.75
100	FGES	500	CC	4	0.864	0.93	0.773	0.807	40.65
100	FGES	500	CC	5	0.861	0.931	0.769	0.808	40.9
100	MGM-PCMax	100	CC	1e-04	0.98	0.389	0.409	0.126	100.9
100	MGM-PCMax	100	CC	0.001	0.974	0.44	0.389	0.146	99.55
100	MGM-PCMax	100	CC	0.01	0.976	0.509	0.431	0.2	94.35
100	MGM-PCMax	100	CC	0.03	0.954	0.539	0.461	0.235	91.9
100	MGM-PCMax	100	CC	0.05	0.952	0.555	0.461	0.247	91.25
100	MGM-PCMax	100	CC	0.08	0.943	0.565	0.47	0.259	90.6
100	MGM-PCMax	300	CC	1e-04	0.976	0.636	0.45	0.274	91.15
100	MGM-PCMax	300	CC	0.001	0.973	0.681	0.48	0.314	86.75
100	MGM-PCMax	300	CC	0.01	0.968	0.716	0.493	0.341	84.05
100	MGM-PCMax	300	CC	0.03	0.966	0.728	0.49	0.351	83.65
100	MGM-PCMax	300	CC	0.05	0.964	0.736	0.496	0.362	82.85
100	MGM-PCMax	300	CC	0.08	0.96	0.74	0.506	0.372	82.1
100	MGM-PCMax	500	CC	1e-04	0.98	0.717	0.453	0.316	80.1
100	MGM-PCMax	500	CC	0.001	0.984	0.742	0.472	0.344	77.25
100	MGM-PCMax	500	CC	0.01	0.976	0.759	0.485	0.367	75.65
100	MGM-PCMax	500	CC	0.03	0.97	0.769	0.491	0.379	75.05
100	MGM-PCMax	500	CC	0.05	0.966	0.771	0.496	0.385	74.7
100	MGM-PCMax	500	CC	0.08	0.964	0.773	0.499	0.389	74.4
100	Copula-PC	300	CD	1e-04	0.963	0.224	0.876	0.02	215.35
100	Copula-PC	300	CD	0.001	0.944	0.272	0.863	0.037	209.8
100	Copula-PC	300	CD	0.01	0.887	0.335	0.876	0.078	203.9
100	Copula-PC	300	CD	0.03	0.8	0.373	0.815	0.101	209.45
100	Copula-PC	300	CD	0.05	0.751	0.405	0.797	0.125	213
100	Copula-PC	300	CD	0.08	0.68	0.423	0.746	0.146	225
100	Copula-PC	500	CD	1e-04	0.966	0.323	0.912	0.073	201.65
100	Copula-PC	500	CD	0.001	0.941	0.365	0.873	0.102	196.4
100	Copula-PC	500	CD	0.01	0.868	0.428	0.829	0.161	193.85
100	Copula-PC	500	CD	0.03	0.791	0.464	0.771	0.207	199.3
100	Copula-PC	500	CD	0.05	0.733	0.485	0.748	0.229	207.85
100	Copula-PC	500	CD	0.08	0.678	0.501	0.704	0.259	218.7
100	MGM-CPCStable	100	CD	1e-04	0.988	0.238	0.8	0.002	211.7
100	MGM-CPCStable	100	CD	0.001	0.975	0.285	1	0.005	206.7
100	MGM-CPCStable	100	CD	0.01	0.97	0.33	0.857	0.011	201.55
100	MGM-CPCStable	100	CD	0.03	0.959	0.359	0.774	0.02	198.75
100	MGM-CPCStable	100	CD	0.05	0.948	0.372	0.796	0.029	197.55
100	MGM-CPCStable	100	CD	0.08	0.941	0.381	0.735	0.039	196.4
100	MGM-CPCStable	300	CD	1e-04	0.987	0.458	0.829	0.027	187.5
100	MGM-CPCStable	300	CD	0.001	0.986	0.497	0.907	0.046	181.5
100	MGM-CPCStable	300	CD	0.01	0.981	0.525	0.936	0.078	175.3
100	MGM-CPCStable	300	CD	0.03	0.977	0.544	0.901	0.107	170.75
100	MGM-CPCStable	300	CD	0.05	0.973	0.551	0.913	0.124	168.65

100	MGM-CPCStable	300	CD	0.08	0.97	0.556	0.945	0.142	166.2
100	MGM-CPCStable	500	CD	1e-04	0.992	0.557	0.955	0.068	172.9
100	MGM-CPCStable	500	CD	0.001	0.99	0.587	0.952	0.096	166.7
100	MGM-CPCStable	500	CD	0.01	0.985	0.611	0.967	0.159	157.2
100	MGM-CPCStable	500	CD	0.03	0.981	0.621	0.947	0.194	153.1
100	MGM-CPCStable	500	CD	0.05	0.977	0.624	0.941	0.217	150.7
100	MGM-CPCStable	500	CD	0.08	0.976	0.627	0.942	0.239	148.05
100	MGM-PCStable	100	CD	1e-04	0.988	0.238	0.376	0.11	219.4
100	MGM-PCStable	100	CD	0.001	0.975	0.285	0.382	0.154	216.5
100	MGM-PCStable	100	CD	0.01	0.97	0.33	0.403	0.209	212
100	MGM-PCStable	100	CD	0.03	0.959	0.359	0.411	0.244	209.4
100	MGM-PCStable	100	CD	0.05	0.948	0.372	0.411	0.261	208.6
100	MGM-PCStable	100	CD	0.08	0.941	0.381	0.413	0.273	207.9
100	MGM-PCStable	300	CD	1e-04	0.987	0.458	0.444	0.344	198.65
100	MGM-PCStable	300	CD	0.001	0.986	0.497	0.454	0.396	193.45
100	MGM-PCStable	300	CD	0.01	0.981	0.525	0.459	0.431	189.95
100	MGM-PCStable	300	CD	0.03	0.977	0.544	0.461	0.456	187.75
100	MGM-PCStable	300	CD	0.05	0.973	0.551	0.461	0.463	187.2
100	MGM-PCStable	300	CD	0.08	0.97	0.556	0.46	0.47	187.15
100	MGM-PCStable	500	CD	1e-04	0.992	0.557	0.471	0.481	185.6
100	MGM-PCStable	500	CD	0.001	0.99	0.587	0.472	0.515	182.2
100	MGM-PCStable	500	CD	0.01	0.985	0.611	0.472	0.541	179.8
100	MGM-PCStable	500	CD	0.03	0.981	0.621	0.472	0.553	178.9
100	MGM-PCStable	500	CD	0.05	0.977	0.624	0.472	0.557	178.9
100	MGM-PCStable	500	CD	0.08	0.976	0.627	0.471	0.56	178.75
100	FGES	100	CD	1	0.883	0.392	0.614	0.208	190.85
100	FGES	100	CD	1.5	0.879	0.394	0.612	0.212	190.85
100	FGES	100	CD	2	0.872	0.395	0.601	0.219	191.55
100	FGES	100	CD	3	0.869	0.399	0.597	0.226	191.35
100	FGES	100	CD	4	0.865	0.401	0.595	0.231	191.5
100	FGES	100	CD	5	0.86	0.401	0.598	0.23	192.05
100	FGES	300	CD	1	0.954	0.57	0.738	0.401	149.05
100	FGES	300	CD	1.5	0.951	0.573	0.735	0.403	149.25
100	FGES	300	CD	2	0.95	0.574	0.733	0.404	149.35
100	FGES	300	CD	3	0.949	0.575	0.731	0.406	149.2
100	FGES	300	CD	4	0.948	0.575	0.731	0.406	149.35
100	FGES	300	CD	5	0.946	0.576	0.728	0.407	149.5
100	FGES	500	CD	1	0.97	0.645	0.779	0.464	131.2
100	FGES	500	CD	1.5	0.969	0.646	0.777	0.465	131.35
100	FGES	500	CD	2	0.968	0.647	0.776	0.465	131.45
100	FGES	500	CD	3	0.967	0.649	0.772	0.466	131.5
100	FGES	500	CD	4	0.967	0.65	0.771	0.466	131.4
100	FGES	500	CD	5	0.967	0.65	0.771	0.466	131.45
100	MGM-PCMax	100	CD	1e-04	0.98	0.243	0.296	0.056	219.65
100	MGM-PCMax	100	CD	0.001	0.966	0.287	0.326	0.078	216

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100	MGM-PCMax	100	CD	0.01	0.963	0.332	0.367	0.109	210.95
100	MGM-PCMax	100	CD	0.03	0.945	0.359	0.365	0.124	209.95
100	MGM-PCMax	100	CD	0.05	0.939	0.373	0.397	0.142	206.8
100	MGM-PCMax	100	CD	0.08	0.933	0.383	0.395	0.147	206.5
100	MGM-PCMax	300	CD	1e-04	0.982	0.459	0.408	0.177	198.05
100	MGM-PCMax	300	CD	0.001	0.981	0.498	0.432	0.206	192.35
100	MGM-PCMax	300	CD	0.01	0.975	0.525	0.44	0.223	188.9
100	MGM-PCMax	300	CD	0.03	0.972	0.545	0.453	0.239	185.8
100	MGM-PCMax	300	CD	0.05	0.972	0.551	0.458	0.245	184.1
100	MGM-PCMax	300	CD	0.08	0.968	0.557	0.457	0.248	183.95
100	MGM-PCMax	500	CD	1e-04	0.988	0.558	0.477	0.26	182.15
100	MGM-PCMax	500	CD	0.001	0.987	0.59	0.498	0.287	175.8
100	MGM-PCMax	500	CD	0.01	0.985	0.612	0.51	0.307	171.55
100	MGM-PCMax	500	CD	0.03	0.981	0.621	0.51	0.313	170.5
100	MGM-PCMax	500	CD	0.05	0.977	0.624	0.505	0.314	171.15
100	MGM-PCMax	500	CD	0.08	0.976	0.627	0.503	0.315	171.25
100	Copula-PC	300	DD	1e-04	0.927	0.106	0.5	0.001	109.9
100	Copula-PC	300	DD	0.001	0.863	0.148	0.75	0.002	109.3
100	Copula-PC	300	DD	0.01	0.72	0.229	0.464	0.01	111.6
100	Copula-PC	300	DD	0.03	0.596	0.279	0.569	0.023	118.9
100	Copula-PC	300	DD	0.05	0.527	0.312	0.441	0.026	127.3
100	Copula-PC	300	DD	0.08	0.445	0.342	0.429	0.046	140.25
100	Copula-PC	500	DD	1e-04	0.903	0.266	0.812	0.023	107.9
100	Copula-PC	500	DD	0.001	0.829	0.319	0.763	0.039	108.6
100	Copula-PC	500	DD	0.01	0.665	0.39	0.55	0.069	119.65
100	Copula-PC	500	DD	0.03	0.53	0.424	0.516	0.107	136.95
100	Copula-PC	500	DD	0.05	0.465	0.449	0.477	0.124	151.05
100	Copula-PC	500	DD	0.08	0.408	0.478	0.425	0.148	169.65
100	MGM-CPCStable	100	DD	1e-04	0.995	0.2	1	0.002	105.85
100	MGM-CPCStable	100	DD	0.001	0.992	0.211	0.833	0.004	105.2
100	MGM-CPCStable	100	DD	0.01	0.956	0.225	0.875	0.01	105.05
100	MGM-CPCStable	100	DD	0.03	0.934	0.23	0.925	0.017	105.05
100	MGM-CPCStable	100	DD	0.05	0.926	0.233	0.897	0.023	104.65
100	MGM-CPCStable	100	DD	0.08	0.91	0.236	0.933	0.026	104.7
100	MGM-CPCStable	300	DD	1e-04	0.985	0.315	1	0.015	98.3
100	MGM-CPCStable	300	DD	0.001	0.957	0.32	0.982	0.038	97.5
100	MGM-CPCStable	300	DD	0.01	0.919	0.322	0.969	0.076	96.75
100	MGM-CPCStable	300	DD	0.03	0.891	0.323	0.891	0.103	96.5
100	MGM-CPCStable	300	DD	0.05	0.875	0.323	0.805	0.116	96.65
100	MGM-CPCStable	300	DD	0.08	0.865	0.323	0.896	0.123	96.9
100	MGM-CPCStable	500	DD	1e-04	0.954	0.335	1	0.053	99.2
100	MGM-CPCStable	500	DD	0.001	0.952	0.337	1	0.083	97.5
100	MGM-CPCStable	500	DD	0.01	0.931	0.337	0.974	0.108	96.85
100	MGM-CPCStable	500	DD	0.03	0.903	0.337	1	0.127	96.5
100	MGM-CPCStable	500	DD	0.05	0.88	0.337	0.987	0.143	96.5

100	MGM-CPCStable	500	DD	0.08	0.871	0.337	0.976	0.151	96.5
100	MGM-PCStable	100	DD	1e-04	0.995	0.2	0.401	0.09	108.05
100	MGM-PCStable	100	DD	0.001	0.992	0.211	0.457	0.12	106.7
100	MGM-PCStable	100	DD	0.01	0.956	0.225	0.44	0.143	107
100	MGM-PCStable	100	DD	0.03	0.934	0.23	0.432	0.154	107.25
100	MGM-PCStable	100	DD	0.05	0.926	0.233	0.438	0.159	107
100	MGM-PCStable	100	DD	0.08	0.91	0.236	0.435	0.163	107.2
100	MGM-PCStable	300	DD	1e-04	0.985	0.315	0.45	0.252	100.15
100	MGM-PCStable	300	DD	0.001	0.957	0.32	0.443	0.262	100.3
100	MGM-PCStable	300	DD	0.01	0.919	0.322	0.427	0.262	101.45
100	MGM-PCStable	300	DD	0.03	0.891	0.323	0.414	0.263	102.45
100	MGM-PCStable	300	DD	0.05	0.875	0.323	0.407	0.263	103.15
100	MGM-PCStable	300	DD	0.08	0.865	0.323	0.404	0.264	103.5
100	MGM-PCStable	500	DD	1e-04	0.954	0.335	0.462	0.291	102.55
100	MGM-PCStable	500	DD	0.001	0.952	0.337	0.468	0.298	102.45
100	MGM-PCStable	500	DD	0.01	0.931	0.337	0.45	0.297	103.4
100	MGM-PCStable	500	DD	0.03	0.903	0.337	0.44	0.298	104.2
100	MGM-PCStable	500	DD	0.05	0.88	0.337	0.428	0.298	105
100	MGM-PCStable	500	DD	0.08	0.871	0.337	0.424	0.298	105.4
100	FGES	100	DD	1	0.974	0.232	0.645	0.106	102.4
100	FGES	100	DD	1.5	0.974	0.233	0.634	0.108	102.35
100	FGES	100	DD	2	0.977	0.238	0.616	0.111	102
100	FGES	100	DD	3	0.974	0.238	0.616	0.117	102.1
100	FGES	100	DD	4	0.972	0.239	0.611	0.118	102.15
100	FGES	100	DD	5	0.97	0.239	0.602	0.117	102.2
100	FGES	300	DD	1	0.997	0.301	0.603	0.154	96
100	FGES	300	DD	1.5	0.997	0.302	0.602	0.154	96
100	FGES	300	DD	2	0.997	0.302	0.603	0.155	95.95
100	FGES	300	DD	3	0.997	0.303	0.605	0.158	95.85
100	FGES	300	DD	4	0.997	0.303	0.605	0.158	95.85
100	FGES	300	DD	5	0.997	0.303	0.604	0.158	95.9
100	FGES	500	DD	1	1	0.355	0.62	0.177	96.55
100	FGES	500	DD	1.5	1	0.355	0.622	0.18	96.4
100	FGES	500	DD	2	1	0.355	0.622	0.18	96.4
100	FGES	500	DD	3	1	0.355	0.624	0.18	96.35
100	FGES	500	DD	4	1	0.356	0.624	0.18	96.3
100	FGES	500	DD	5	1	0.357	0.629	0.179	96.25
100	MGM-PCMax	100	DD	1e-04	0.983	0.201	0.308	0.043	108.75
100	MGM-PCMax	100	DD	0.001	0.975	0.212	0.381	0.06	107.55
100	MGM-PCMax	100	DD	0.01	0.949	0.225	0.356	0.072	107.5
100	MGM-PCMax	100	DD	0.03	0.934	0.23	0.36	0.078	107.4
100	MGM-PCMax	100	DD	0.05	0.918	0.233	0.349	0.079	107.85
100	MGM-PCMax	100	DD	0.08	0.906	0.236	0.355	0.082	107.8
100	MGM-PCMax	300	DD	1e-04	0.951	0.317	0.31	0.093	103.85
100	MGM-PCMax	300	DD	0.001	0.936	0.32	0.313	0.099	103.85



100	MGM-PCMax	300	DD	0.01	0.909	0.322	0.325	0.104	104.1
100	MGM-PCMax	300	DD	0.03	0.886	0.323	0.319	0.106	105.05
100	MGM-PCMax	300	DD	0.05	0.873	0.323	0.312	0.106	105.65
100	MGM-PCMax	300	DD	0.08	0.865	0.323	0.307	0.106	106.1
100	MGM-PCMax	500	DD	1e-04	0.952	0.335	0.378	0.121	106.5
100	MGM-PCMax	500	DD	0.001	0.95	0.337	0.393	0.131	105.75
100	MGM-PCMax	500	DD	0.01	0.926	0.337	0.383	0.13	106.75
100	MGM-PCMax	500	DD	0.03	0.901	0.337	0.366	0.127	107.85
100	MGM-PCMax	500	DD	0.05	0.88	0.337	0.35	0.126	108.8
100	MGM-PCMax	500	DD	0.08	0.869	0.337	0.343	0.125	109.4

Table 9: Comparison of mixed data structure learning algorithms with Conditional Gaussian  
Simulated data with average density 1.5

Num_Vars	Algorithm	Sample.Size	Type	Parameter	AP	AR	AHP	AHR	SHD
50	Copula-PC	100	All	1e-04	0.952	0.095	0.786	0.008	181.1
50	Copula-PC	100	All	0.001	0.885	0.117	0.9	0.018	179.95
50	Copula-PC	100	All	0.01	0.681	0.146	0.894	0.023	187
50	Copula-PC	100	All	0.03	0.536	0.17	0.822	0.026	198.6
50	Copula-PC	100	All	0.05	0.465	0.191	0.68	0.031	210.2
50	Copula-PC	100	All	0.08	0.386	0.209	0.508	0.034	229.6
50	Copula-PC	300	All	1e-04	0.902	0.213	0.927	0.036	156.75
50	Copula-PC	300	All	0.001	0.828	0.247	0.81	0.043	158.3
50	Copula-PC	300	All	0.01	0.628	0.287	0.744	0.059	173.6
50	Copula-PC	300	All	0.03	0.497	0.313	0.595	0.071	195.4
50	Copula-PC	300	All	0.05	0.429	0.331	0.542	0.084	214.45
50	Copula-PC	300	All	0.08	0.37	0.349	0.416	0.096	239.05
50	Copula-PC	500	All	1e-04	0.807	0.297	0.697	0.053	142.7
50	Copula-PC	500	All	0.001	0.718	0.334	0.618	0.065	147.9
50	Copula-PC	500	All	0.01	0.555	0.384	0.463	0.081	169.05
50	Copula-PC	500	All	0.03	0.448	0.415	0.4	0.102	195.65
50	Copula-PC	500	All	0.05	0.398	0.437	0.363	0.122	215.4
50	Copula-PC	500	All	0.08	0.344	0.454	0.316	0.144	244
50	MGM-CPCStable	100	All	1e-04	0.98	0.128	0.333	0.002	178.45
50	MGM-CPCStable	100	All	0.001	0.953	0.144	0.643	0.006	177.55
50	MGM-CPCStable	100	All	0.01	0.912	0.158	0.75	0.013	177
50	MGM-CPCStable	100	All	0.03	0.911	0.162	0.833	0.013	176.7
50	MGM-CPCStable	100	All	0.05	0.909	0.162	0.833	0.013	176.7
50	MGM-CPCStable	100	All	0.08	0.906	0.162	0.821	0.014	176.7
50	MGM-CPCStable	300	All	1e-04	0.992	0.231	0.929	0.024	153.05
50	MGM-CPCStable	300	All	0.001	0.986	0.242	0.946	0.029	152
50	MGM-CPCStable	300	All	0.01	0.984	0.247	0.911	0.036	151.2
50	MGM-CPCStable	300	All	0.03	0.984	0.247	0.917	0.038	150.95
50	MGM-CPCStable	300	All	0.05	0.984	0.248	0.917	0.039	150.8
50	MGM-CPCStable	300	All	0.08	0.979	0.248	0.931	0.042	150.8

50	MGM-CPCStable	500	All	1e-04	0.989	0.279	1	0.033	135.45
50	MGM-CPCStable	500	All	0.001	0.989	0.286	1	0.037	134.75
50	MGM-CPCStable	500	All	0.01	0.989	0.287	1	0.041	134.35
50	MGM-CPCStable	500	All	0.03	0.983	0.289	1	0.041	134.45
50	MGM-CPCStable	500	All	0.05	0.981	0.291	0.994	0.042	134.3
50	MGM-CPCStable	500	All	0.08	0.981	0.291	0.938	0.049	134.1
50	MGM-PCStable	100	All	1e-04	0.98	0.128	0.449	0.027	179.3
50	MGM-PCStable	100	All	0.001	0.953	0.144	0.414	0.041	179.25
50	MGM-PCStable	100	All	0.01	0.912	0.158	0.393	0.051	179.7
50	MGM-PCStable	100	All	0.03	0.911	0.162	0.397	0.054	179.5
50	MGM-PCStable	100	All	0.05	0.909	0.162	0.394	0.054	179.65
50	MGM-PCStable	100	All	0.08	0.906	0.162	0.393	0.054	179.8
50	MGM-PCStable	300	All	1e-04	0.992	0.231	0.446	0.104	156.75
50	MGM-PCStable	300	All	0.001	0.986	0.242	0.445	0.112	156.3
50	MGM-PCStable	300	All	0.01	0.984	0.247	0.441	0.114	156.25
50	MGM-PCStable	300	All	0.03	0.984	0.247	0.44	0.114	156.25
50	MGM-PCStable	300	All	0.05	0.984	0.248	0.44	0.115	156.2
50	MGM-PCStable	300	All	0.08	0.979	0.248	0.439	0.115	156.5
50	MGM-PCStable	500	All	1e-04	0.989	0.279	0.403	0.11	141.05
50	MGM-PCStable	500	All	0.001	0.989	0.286	0.394	0.113	141
50	MGM-PCStable	500	All	0.01	0.989	0.287	0.389	0.113	141.1
50	MGM-PCStable	500	All	0.03	0.983	0.289	0.383	0.114	141.3
50	MGM-PCStable	500	All	0.05	0.981	0.291	0.38	0.115	141.3
50	MGM-PCStable	500	All	0.08	0.981	0.291	0.38	0.115	141.3
50	FGES	100	All	1	0.748	0.245	0.685	0.081	176
50	FGES	100	All	1.5	0.719	0.25	0.657	0.085	177.9
50	FGES	100	All	2	0.701	0.255	0.652	0.091	179.4
50	FGES	100	All	3	0.665	0.258	0.611	0.102	182
50	FGES	100	All	4	0.646	0.262	0.598	0.105	184.1
50	FGES	100	All	5	0.635	0.267	0.569	0.113	185.05
50	FGES	300	All	1	0.888	0.434	0.795	0.207	131.2
50	FGES	300	All	1.5	0.876	0.443	0.766	0.216	131.45
50	FGES	300	All	2	0.873	0.444	0.757	0.223	131.55
50	FGES	300	All	3	0.867	0.449	0.748	0.223	131.85
50	FGES	300	All	4	0.863	0.453	0.745	0.225	131.95
50	FGES	300	All	5	0.856	0.454	0.729	0.23	132.45
50	FGES	500	All	1	0.908	0.523	0.812	0.24	111.4
50	FGES	500	All	1.5	0.901	0.524	0.8	0.241	112.2
50	FGES	500	All	2	0.893	0.526	0.8	0.243	112.45
50	FGES	500	All	3	0.888	0.53	0.788	0.247	112.6
50	FGES	500	All	4	0.881	0.533	0.76	0.25	113.15
50	FGES	500	All	5	0.875	0.537	0.746	0.255	113.2
50	MGM-PCMax	100	All	1e-04	0.981	0.132	0.277	0.012	179.35
50	MGM-PCMax	100	All	0.001	0.953	0.146	0.275	0.019	179.35
50	MGM-PCMax	100	All	0.01	0.912	0.159	0.291	0.023	180.2

# EVALUATION OF CAUSAL STRUCTURE LEARNING

50	MGM-PCMax	100	All	0.03	0.911	0.162	0.31	0.027	180
50	MGM-PCMax	100	All	0.05	0.909	0.162	0.31	0.027	180.1
50	MGM-PCMax	100	All	0.08	0.906	0.162	0.309	0.027	180.25
50	MGM-PCMax	300	All	1e-04	0.989	0.231	0.285	0.043	159.2
50	MGM-PCMax	300	All	0.001	0.986	0.242	0.297	0.046	158.75
50	MGM-PCMax	300	All	0.01	0.984	0.247	0.292	0.047	158.75
50	MGM-PCMax	300	All	0.03	0.984	0.247	0.297	0.048	158.65
50	MGM-PCMax	300	All	0.05	0.984	0.248	0.298	0.048	158.6
50	MGM-PCMax	300	All	0.08	0.979	0.248	0.298	0.049	158.8
50	MGM-PCMax	500	All	1e-04	0.989	0.28	0.28	0.055	142.75
50	MGM-PCMax	500	All	0.001	0.989	0.287	0.286	0.057	142.65
50	MGM-PCMax	500	All	0.01	0.989	0.288	0.28	0.056	142.7
50	MGM-PCMax	500	All	0.03	0.983	0.29	0.282	0.058	142.65
50	MGM-PCMax	500	All	0.05	0.978	0.291	0.285	0.06	142.6
50	MGM-PCMax	500	All	0.08	0.978	0.291	0.285	0.06	142.6
50	Copula-PC	100	CC	1e-04	0.962	0.126	1	0.005	43.5
50	Copula-PC	100	CC	0.001	0.862	0.144	1	0.014	43.8
50	Copula-PC	100	CC	0.01	0.752	0.16	0.857	0.019	44.7
50	Copula-PC	100	CC	0.03	0.588	0.178	0.786	0.019	47.35
50	Copula-PC	100	CC	0.05	0.501	0.201	0.5	0.024	49.95
50	Copula-PC	100	CC	0.08	0.414	0.221	0.411	0.024	54.6
50	Copula-PC	300	CC	1e-04	0.915	0.386	0.982	0.108	32.65
50	Copula-PC	300	CC	0.001	0.912	0.432	0.982	0.116	31.85
50	Copula-PC	300	CC	0.01	0.783	0.493	0.841	0.163	33.2
50	Copula-PC	300	CC	0.03	0.709	0.536	0.811	0.186	35.35
50	Copula-PC	300	CC	0.05	0.638	0.56	0.786	0.204	38.65
50	Copula-PC	300	CC	0.08	0.571	0.569	0.707	0.217	42.5
50	Copula-PC	500	CC	1e-04	0.953	0.515	0.919	0.131	28.5
50	Copula-PC	500	CC	0.001	0.934	0.557	0.916	0.148	27.45
50	Copula-PC	500	CC	0.01	0.821	0.601	0.755	0.162	29.7
50	Copula-PC	500	CC	0.03	0.746	0.646	0.665	0.182	32.85
50	Copula-PC	500	CC	0.05	0.695	0.661	0.631	0.204	34.8
50	Copula-PC	500	CC	0.08	0.607	0.679	0.582	0.24	39.95
50	MGM-CPCStable	100	CC	1e-04	1	0.157	NA	0	42.85
50	MGM-CPCStable	100	CC	0.001	0.983	0.172	1	0.011	42.5
50	MGM-CPCStable	100	CC	0.01	0.942	0.192	1	0.015	42.3
50	MGM-CPCStable	100	CC	0.03	0.946	0.196	1	0.015	42.2
50	MGM-CPCStable	100	CC	0.05	0.946	0.196	1	0.015	42.2
50	MGM-CPCStable	100	CC	0.08	0.946	0.196	1	0.015	42.2
50	MGM-CPCStable	300	CC	1e-04	0.988	0.388	0.97	0.064	32.95
50	MGM-CPCStable	300	CC	0.001	0.988	0.41	0.972	0.073	32.45
50	MGM-CPCStable	300	CC	0.01	0.988	0.42	0.903	0.087	31.95
50	MGM-CPCStable	300	CC	0.03	0.988	0.42	0.903	0.087	31.95
50	MGM-CPCStable	300	CC	0.05	0.988	0.42	0.903	0.091	31.85
50	MGM-CPCStable	300	CC	0.08	0.983	0.42	0.91	0.105	31.75

50	MGM-CPCStable	500	CC	1e-04	0.991	0.436	1	0.104	29.85
50	MGM-CPCStable	500	CC	0.001	0.991	0.452	1	0.109	29.6
50	MGM-CPCStable	500	CC	0.01	0.991	0.454	1	0.109	29.55
50	MGM-CPCStable	500	CC	0.03	0.977	0.457	1	0.109	29.7
50	MGM-CPCStable	500	CC	0.05	0.961	0.457	0.992	0.111	29.8
50	MGM-CPCStable	500	CC	0.08	0.961	0.457	1	0.117	29.7
50	MGM-PCStable	100	CC	1e-04	1	0.157	0.462	0.02	43.45
50	MGM-PCStable	100	CC	0.001	0.983	0.172	0.42	0.039	43.25
50	MGM-PCStable	100	CC	0.01	0.942	0.192	0.317	0.043	43.5
50	MGM-PCStable	100	CC	0.03	0.946	0.196	0.318	0.048	43.4
50	MGM-PCStable	100	CC	0.05	0.946	0.196	0.318	0.048	43.4
50	MGM-PCStable	100	CC	0.08	0.946	0.196	0.318	0.048	43.4
50	MGM-PCStable	300	CC	1e-04	0.988	0.388	0.526	0.214	33.7
50	MGM-PCStable	300	CC	0.001	0.988	0.41	0.531	0.226	33.3
50	MGM-PCStable	300	CC	0.01	0.988	0.42	0.512	0.233	33.25
50	MGM-PCStable	300	CC	0.03	0.988	0.42	0.512	0.233	33.25
50	MGM-PCStable	300	CC	0.05	0.988	0.42	0.512	0.233	33.25
50	MGM-PCStable	300	CC	0.08	0.983	0.42	0.51	0.233	33.35
50	MGM-PCStable	500	CC	1e-04	0.991	0.436	0.421	0.193	32.55
50	MGM-PCStable	500	CC	0.001	0.991	0.452	0.388	0.193	32.6
50	MGM-PCStable	500	CC	0.01	0.991	0.454	0.383	0.193	32.65
50	MGM-PCStable	500	CC	0.03	0.977	0.457	0.383	0.193	32.8
50	MGM-PCStable	500	CC	0.05	0.961	0.457	0.364	0.193	32.9
50	MGM-PCStable	500	CC	0.08	0.961	0.457	0.364	0.193	32.9
50	FGES	100	CC	1	0.772	0.263	0.674	0.083	42.4
50	FGES	100	CC	1.5	0.742	0.269	0.665	0.084	42.85
50	FGES	100	CC	2	0.724	0.273	0.686	0.094	43.05
50	FGES	100	CC	3	0.712	0.277	0.661	0.109	43.15
50	FGES	100	CC	4	0.693	0.279	0.648	0.111	43.55
50	FGES	100	CC	5	0.69	0.291	0.613	0.117	43.55
50	FGES	300	CC	1	0.929	0.571	0.853	0.334	26.45
50	FGES	300	CC	1.5	0.93	0.585	0.841	0.358	26
50	FGES	300	CC	2	0.927	0.586	0.828	0.358	26.2
50	FGES	300	CC	3	0.904	0.59	0.809	0.354	26.7
50	FGES	300	CC	4	0.902	0.597	0.807	0.354	26.7
50	FGES	300	CC	5	0.902	0.597	0.807	0.363	26.6
50	FGES	500	CC	1	0.918	0.667	0.816	0.346	23.1
50	FGES	500	CC	1.5	0.902	0.667	0.801	0.346	23.65
50	FGES	500	CC	2	0.9	0.671	0.801	0.348	23.6
50	FGES	500	CC	3	0.897	0.673	0.779	0.35	23.65
50	FGES	500	CC	4	0.893	0.673	0.755	0.354	23.75
50	FGES	500	CC	5	0.886	0.677	0.748	0.356	23.9
50	MGM-PCMax	100	CC	1e-04	1	0.164	0.225	0.01	43.35
50	MGM-PCMax	100	CC	0.001	0.983	0.175	0.321	0.018	43.25
50	MGM-PCMax	100	CC	0.01	0.942	0.192	0.328	0.025	43.4

# EVALUATION OF CAUSAL STRUCTURE LEARNING

50	MGM-PCMax	100	CC	0.03	0.946	0.196	0.301	0.029	43.35
50	MGM-PCMax	100	CC	0.05	0.946	0.196	0.301	0.029	43.35
50	MGM-PCMax	100	CC	0.08	0.946	0.196	0.301	0.029	43.35
50	MGM-PCMax	300	CC	1e-04	0.984	0.388	0.341	0.067	36
50	MGM-PCMax	300	CC	0.001	0.988	0.41	0.336	0.076	35.6
50	MGM-PCMax	300	CC	0.01	0.988	0.42	0.329	0.079	35.55
50	MGM-PCMax	300	CC	0.03	0.988	0.42	0.329	0.079	35.55
50	MGM-PCMax	300	CC	0.05	0.988	0.42	0.329	0.079	35.55
50	MGM-PCMax	300	CC	0.08	0.983	0.42	0.327	0.079	35.65
50	MGM-PCMax	500	CC	1e-04	0.991	0.436	0.315	0.104	33.45
50	MGM-PCMax	500	CC	0.001	0.991	0.452	0.294	0.107	33.45
50	MGM-PCMax	500	CC	0.01	0.991	0.454	0.286	0.105	33.5
50	MGM-PCMax	500	CC	0.03	0.977	0.457	0.284	0.109	33.6
50	MGM-PCMax	500	CC	0.05	0.961	0.457	0.28	0.111	33.6
50	MGM-PCMax	500	CC	0.08	0.961	0.457	0.28	0.111	33.6
50	Copula-PC	100	CD	1e-04	0.932	0.086	0.667	0.006	92.15
50	Copula-PC	100	CD	0.001	0.893	0.108	0.833	0.017	91
50	Copula-PC	100	CD	0.01	0.663	0.142	0.857	0.022	95.2
50	Copula-PC	100	CD	0.03	0.532	0.168	0.812	0.029	100.9
50	Copula-PC	100	CD	0.05	0.466	0.188	0.711	0.033	106.7
50	Copula-PC	100	CD	0.08	0.392	0.207	0.479	0.036	116.75
50	Copula-PC	300	CD	1e-04	0.825	0.132	0.812	0.014	84.4
50	Copula-PC	300	CD	0.001	0.712	0.16	0.667	0.022	85.75
50	Copula-PC	300	CD	0.01	0.474	0.187	0.521	0.03	95.15
50	Copula-PC	300	CD	0.03	0.36	0.204	0.448	0.04	107.95
50	Copula-PC	300	CD	0.05	0.308	0.22	0.398	0.048	118.45
50	Copula-PC	300	CD	0.08	0.266	0.242	0.256	0.056	132.5
50	Copula-PC	500	CD	1e-04	0.778	0.176	0.471	0.014	76
50	Copula-PC	500	CD	0.001	0.643	0.202	0.579	0.019	78.9
50	Copula-PC	500	CD	0.01	0.464	0.243	0.329	0.033	88.95
50	Copula-PC	500	CD	0.03	0.366	0.274	0.32	0.051	101.2
50	Copula-PC	500	CD	0.05	0.313	0.29	0.291	0.056	112.5
50	Copula-PC	500	CD	0.08	0.273	0.31	0.238	0.071	125.75
50	MGM-CPCStable	100	CD	1e-04	0.972	0.121	0.333	0.002	90.4
50	MGM-CPCStable	100	CD	0.001	0.934	0.137	0.5	0.004	90.35
50	MGM-CPCStable	100	CD	0.01	0.889	0.148	0.667	0.011	90.1
50	MGM-CPCStable	100	CD	0.03	0.891	0.153	0.75	0.011	89.8
50	MGM-CPCStable	100	CD	0.05	0.887	0.154	0.857	0.011	89.75
50	MGM-CPCStable	100	CD	0.08	0.883	0.154	0.821	0.013	89.8
50	MGM-CPCStable	300	CD	1e-04	1	0.141	0.857	0.012	82.35
50	MGM-CPCStable	300	CD	0.001	0.992	0.15	0.857	0.014	82
50	MGM-CPCStable	300	CD	0.01	0.987	0.151	0.778	0.017	82
50	MGM-CPCStable	300	CD	0.03	0.987	0.151	0.8	0.018	81.9
50	MGM-CPCStable	300	CD	0.05	0.987	0.152	0.8	0.018	81.85
50	MGM-CPCStable	300	CD	0.08	0.983	0.152	0.8	0.018	81.95

50	MGM-CPCStable	500	CD	1e-04	0.994	0.192	1	0.007	73
50	MGM-CPCStable	500	CD	0.001	0.995	0.2	1	0.009	72.7
50	MGM-CPCStable	500	CD	0.01	0.995	0.201	1	0.012	72.5
50	MGM-CPCStable	500	CD	0.03	0.995	0.203	1	0.012	72.45
50	MGM-CPCStable	500	CD	0.05	0.996	0.206	1	0.015	72.2
50	MGM-CPCStable	500	CD	0.08	0.996	0.206	0.864	0.025	72.15
50	MGM-PCStable	100	CD	1e-04	0.972	0.121	0.529	0.028	90.55
50	MGM-PCStable	100	CD	0.001	0.934	0.137	0.449	0.041	90.75
50	MGM-PCStable	100	CD	0.01	0.889	0.148	0.426	0.052	90.85
50	MGM-PCStable	100	CD	0.03	0.891	0.153	0.456	0.054	90.7
50	MGM-PCStable	100	CD	0.05	0.887	0.154	0.449	0.054	90.9
50	MGM-PCStable	100	CD	0.08	0.883	0.154	0.446	0.054	91.05
50	MGM-PCStable	300	CD	1e-04	1	0.141	0.391	0.06	84
50	MGM-PCStable	300	CD	0.001	0.992	0.15	0.387	0.067	83.8
50	MGM-PCStable	300	CD	0.01	0.987	0.151	0.399	0.068	83.85
50	MGM-PCStable	300	CD	0.03	0.987	0.151	0.399	0.068	83.85
50	MGM-PCStable	300	CD	0.05	0.987	0.152	0.401	0.069	83.8
50	MGM-PCStable	300	CD	0.08	0.983	0.152	0.401	0.069	83.9
50	MGM-PCStable	500	CD	1e-04	0.994	0.192	0.374	0.068	74.75
50	MGM-PCStable	500	CD	0.001	0.995	0.2	0.372	0.073	74.55
50	MGM-PCStable	500	CD	0.01	0.995	0.201	0.366	0.073	74.6
50	MGM-PCStable	500	CD	0.03	0.995	0.203	0.341	0.075	74.65
50	MGM-PCStable	500	CD	0.05	0.996	0.206	0.339	0.078	74.55
50	MGM-PCStable	500	CD	0.08	0.996	0.206	0.339	0.078	74.55
50	FGES	100	CD	1	0.737	0.248	0.689	0.086	88.85
50	FGES	100	CD	1.5	0.705	0.254	0.661	0.092	89.75
50	FGES	100	CD	2	0.685	0.259	0.646	0.098	90.7
50	FGES	100	CD	3	0.649	0.264	0.612	0.108	92.2
50	FGES	100	CD	4	0.633	0.269	0.598	0.114	93.25
50	FGES	100	CD	5	0.619	0.272	0.573	0.121	93.95
50	FGES	300	CD	1	0.83	0.365	0.702	0.156	73.9
50	FGES	300	CD	1.5	0.815	0.372	0.688	0.165	74.15
50	FGES	300	CD	2	0.811	0.373	0.68	0.171	74.2
50	FGES	300	CD	3	0.809	0.377	0.683	0.172	74.1
50	FGES	300	CD	4	0.804	0.38	0.684	0.176	74.1
50	FGES	300	CD	5	0.794	0.381	0.664	0.18	74.55
50	FGES	500	CD	1	0.874	0.454	0.762	0.187	62.7
50	FGES	500	CD	1.5	0.869	0.455	0.749	0.189	63
50	FGES	500	CD	2	0.854	0.459	0.747	0.189	63.35
50	FGES	500	CD	3	0.845	0.462	0.737	0.193	63.5
50	FGES	500	CD	4	0.834	0.466	0.711	0.199	63.85
50	FGES	500	CD	5	0.828	0.469	0.697	0.206	63.75
50	MGM-PCMax	100	CD	1e-04	0.972	0.124	0.446	0.014	90.6
50	MGM-PCMax	100	CD	0.001	0.934	0.14	0.331	0.02	91
50	MGM-PCMax	100	CD	0.01	0.891	0.15	0.327	0.022	91.4

EVALUATION OF CAUSAL STRUCTURE LEARNING

50	MGM-PCMax	100	CD	0.03	0.891	0.153	0.337	0.026	91.25
50	MGM-PCMax	100	CD	0.05	0.887	0.154	0.338	0.026	91.4
50	MGM-PCMax	100	CD	0.08	0.883	0.154	0.338	0.026	91.55
50	MGM-PCMax	300	CD	1e-04	1	0.141	0.382	0.03	84.25
50	MGM-PCMax	300	CD	0.001	0.992	0.15	0.41	0.034	84
50	MGM-PCMax	300	CD	0.01	0.987	0.151	0.385	0.034	84.05
50	MGM-PCMax	300	CD	0.03	0.987	0.151	0.385	0.034	84.05
50	MGM-PCMax	300	CD	0.05	0.987	0.152	0.376	0.034	84.1
50	MGM-PCMax	300	CD	0.08	0.983	0.152	0.381	0.035	84.1
50	MGM-PCMax	500	CD	1e-04	0.994	0.192	0.217	0.034	75.05
50	MGM-PCMax	500	CD	0.001	0.995	0.2	0.246	0.037	74.9
50	MGM-PCMax	500	CD	0.01	0.995	0.201	0.246	0.037	74.9
50	MGM-PCMax	500	CD	0.03	0.995	0.203	0.233	0.04	74.75
50	MGM-PCMax	500	CD	0.05	0.991	0.206	0.238	0.042	74.7
50	MGM-PCMax	500	CD	0.08	0.991	0.206	0.238	0.042	74.7
50	Copula-PC	100	DD	1e-04	0.981	0.1	1	0.013	45.45
50	Copula-PC	100	DD	0.001	0.896	0.125	1	0.022	45.15
50	Copula-PC	100	DD	0.01	0.723	0.156	1	0.026	47.1
50	Copula-PC	100	DD	0.03	0.552	0.179	0.917	0.027	50.35
50	Copula-PC	100	DD	0.05	0.448	0.196	0.831	0.031	53.55
50	Copula-PC	100	DD	0.08	0.373	0.209	0.711	0.038	58.25
50	Copula-PC	300	DD	1e-04	0.887	0.23	0.8	0.014	39.7
50	Copula-PC	300	DD	0.001	0.788	0.275	0.455	0.02	40.7
50	Copula-PC	300	DD	0.01	0.62	0.32	0.513	0.028	45.25
50	Copula-PC	300	DD	0.03	0.486	0.345	0.312	0.031	52.1
50	Copula-PC	300	DD	0.05	0.422	0.357	0.358	0.046	57.35
50	Copula-PC	300	DD	0.08	0.366	0.375	0.302	0.063	64.05
50	Copula-PC	500	DD	1e-04	0.673	0.33	0.42	0.053	38.2
50	Copula-PC	500	DD	0.001	0.592	0.375	0.361	0.072	41.55
50	Copula-PC	500	DD	0.01	0.444	0.449	0.306	0.097	50.4
50	Copula-PC	500	DD	0.03	0.353	0.475	0.305	0.129	61.6
50	Copula-PC	500	DD	0.05	0.316	0.512	0.273	0.167	68.1
50	Copula-PC	500	DD	0.08	0.275	0.524	0.226	0.191	78.3
50	MGM-CPCStable	100	DD	1e-04	0.97	0.132	1	0.004	45.2
50	MGM-CPCStable	100	DD	0.001	0.978	0.148	1	0.005	44.7
50	MGM-CPCStable	100	DD	0.01	0.932	0.161	1	0.014	44.6
50	MGM-CPCStable	100	DD	0.03	0.915	0.161	1	0.014	44.7
50	MGM-CPCStable	100	DD	0.05	0.915	0.161	0.8	0.014	44.75
50	MGM-CPCStable	100	DD	0.08	0.915	0.161	0.8	0.016	44.7
50	MGM-CPCStable	300	DD	1e-04	0.982	0.28	0.833	0.009	37.75
50	MGM-CPCStable	300	DD	0.001	0.976	0.289	0.875	0.014	37.55
50	MGM-CPCStable	300	DD	0.01	0.976	0.294	1	0.02	37.25
50	MGM-CPCStable	300	DD	0.03	0.976	0.296	1	0.024	37.1
50	MGM-CPCStable	300	DD	0.05	0.976	0.296	1	0.024	37.1
50	MGM-CPCStable	300	DD	0.08	0.969	0.296	1	0.028	37.1

50	MGM-CPCStable	500	DD	1e-04	0.985	0.314	1	0.019	32.6
50	MGM-CPCStable	500	DD	0.001	0.985	0.314	1	0.026	32.45
50	MGM-CPCStable	500	DD	0.01	0.985	0.314	1	0.034	32.3
50	MGM-CPCStable	500	DD	0.03	0.985	0.314	1	0.034	32.3
50	MGM-CPCStable	500	DD	0.05	0.985	0.314	1	0.034	32.3
50	MGM-CPCStable	500	DD	0.08	0.985	0.314	1	0.036	32.25
50	MGM-PCStable	100	DD	1e-04	0.97	0.132	0.444	0.026	45.3
50	MGM-PCStable	100	DD	0.001	0.978	0.148	0.328	0.038	45.25
50	MGM-PCStable	100	DD	0.01	0.932	0.161	0.313	0.052	45.35
50	MGM-PCStable	100	DD	0.03	0.915	0.161	0.334	0.059	45.4
50	MGM-PCStable	100	DD	0.05	0.915	0.161	0.365	0.061	45.35
50	MGM-PCStable	100	DD	0.08	0.915	0.161	0.365	0.061	45.35
50	MGM-PCStable	300	DD	1e-04	0.982	0.28	0.373	0.089	39.05
50	MGM-PCStable	300	DD	0.001	0.976	0.289	0.359	0.094	39.2
50	MGM-PCStable	300	DD	0.01	0.976	0.294	0.373	0.096	39.15
50	MGM-PCStable	300	DD	0.03	0.976	0.296	0.346	0.096	39.15
50	MGM-PCStable	300	DD	0.05	0.976	0.296	0.346	0.096	39.15
50	MGM-PCStable	300	DD	0.08	0.969	0.296	0.343	0.096	39.25
50	MGM-PCStable	500	DD	1e-04	0.985	0.314	0.37	0.121	33.75
50	MGM-PCStable	500	DD	0.001	0.985	0.314	0.357	0.121	33.85
50	MGM-PCStable	500	DD	0.01	0.985	0.314	0.357	0.121	33.85
50	MGM-PCStable	500	DD	0.03	0.985	0.314	0.357	0.121	33.85
50	MGM-PCStable	500	DD	0.05	0.985	0.314	0.357	0.121	33.85
50	MGM-PCStable	500	DD	0.08	0.985	0.314	0.357	0.121	33.85
50	FGES	100	DD	1	0.759	0.233	0.657	0.068	44.75
50	FGES	100	DD	1.5	0.727	0.235	0.642	0.07	45.3
50	FGES	100	DD	2	0.713	0.237	0.654	0.073	45.65
50	FGES	100	DD	3	0.655	0.24	0.593	0.084	46.65
50	FGES	100	DD	4	0.627	0.242	0.588	0.084	47.3
50	FGES	100	DD	5	0.615	0.244	0.619	0.096	47.55
50	FGES	300	DD	1	0.964	0.464	0.916	0.198	30.85
50	FGES	300	DD	1.5	0.939	0.472	0.836	0.201	31.3
50	FGES	300	DD	2	0.939	0.472	0.817	0.212	31.15
50	FGES	300	DD	3	0.939	0.482	0.788	0.215	31.05
50	FGES	300	DD	4	0.937	0.484	0.783	0.215	31.15
50	FGES	300	DD	5	0.934	0.484	0.752	0.217	31.3
50	FGES	500	DD	1	0.944	0.526	0.859	0.255	25.6
50	FGES	500	DD	1.5	0.944	0.528	0.859	0.255	25.55
50	FGES	500	DD	2	0.944	0.528	0.86	0.258	25.5
50	FGES	500	DD	3	0.944	0.533	0.856	0.262	25.45
50	FGES	500	DD	4	0.941	0.538	0.835	0.262	25.55
50	FGES	500	DD	5	0.941	0.54	0.826	0.265	25.55
50	MGM-PCMax	100	DD	1e-04	0.972	0.133	0.375	0.006	45.4
50	MGM-PCMax	100	DD	0.001	0.978	0.148	0.354	0.019	45.1
50	MGM-PCMax	100	DD	0.01	0.932	0.161	0.3	0.02	45.4



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50	MGM-PCMax	100	DD	0.03	0.915	0.161	0.338	0.027	45.4
50	MGM-PCMax	100	DD	0.05	0.915	0.161	0.351	0.027	45.35
50	MGM-PCMax	100	DD	0.08	0.915	0.161	0.351	0.027	45.35
50	MGM-PCMax	300	DD	1e-04	0.982	0.28	0.274	0.045	38.95
50	MGM-PCMax	300	DD	0.001	0.976	0.289	0.236	0.045	39.15
50	MGM-PCMax	300	DD	0.01	0.976	0.294	0.222	0.045	39.15
50	MGM-PCMax	300	DD	0.03	0.976	0.296	0.263	0.047	39.05
50	MGM-PCMax	300	DD	0.05	0.976	0.296	0.289	0.049	38.95
50	MGM-PCMax	300	DD	0.08	0.969	0.296	0.281	0.049	39.05
50	MGM-PCMax	500	DD	1e-04	0.985	0.317	0.222	0.053	34.25
50	MGM-PCMax	500	DD	0.001	0.985	0.317	0.222	0.053	34.3
50	MGM-PCMax	500	DD	0.01	0.985	0.317	0.222	0.053	34.3
50	MGM-PCMax	500	DD	0.03	0.985	0.317	0.222	0.053	34.3
50	MGM-PCMax	500	DD	0.05	0.985	0.317	0.222	0.053	34.3
50	MGM-PCMax	500	DD	0.08	0.985	0.317	0.222	0.053	34.3
100	Copula-PC	300	All	1e-04	0.902	0.203	0.994	0.045	316.35
100	Copula-PC	300	All	0.001	0.814	0.236	0.969	0.057	319.75
100	Copula-PC	300	All	0.01	0.585	0.282	0.853	0.072	359.3
100	Copula-PC	300	All	0.03	0.425	0.311	0.678	0.083	428.8
100	Copula-PC	300	All	0.05	0.36	0.33	0.536	0.093	481.8
100	Copula-PC	300	All	0.08	0.3	0.349	0.41	0.109	556
100	Copula-PC	500	All	1e-04	0.789	0.29	0.83	0.058	290.65
100	Copula-PC	500	All	0.001	0.655	0.32	0.657	0.068	313.25
100	Copula-PC	500	All	0.01	0.458	0.362	0.516	0.09	385.85
100	Copula-PC	500	All	0.03	0.35	0.396	0.368	0.109	473.3
100	Copula-PC	500	All	0.05	0.297	0.412	0.321	0.136	541.4
100	Copula-PC	500	All	0.08	0.256	0.427	0.268	0.156	621.85
100	MGM-CPCStable	100	All	1e-04	0.951	0.12	0.938	0.007	381.65
100	MGM-CPCStable	100	All	0.001	0.902	0.139	0.969	0.012	380.15
100	MGM-CPCStable	100	All	0.01	0.858	0.157	0.977	0.019	379.2
100	MGM-CPCStable	100	All	0.03	0.843	0.162	0.958	0.024	379.15
100	MGM-CPCStable	100	All	0.05	0.834	0.165	0.903	0.025	379.45
100	MGM-CPCStable	100	All	0.08	0.829	0.166	0.934	0.027	379.55
100	MGM-CPCStable	300	All	1e-04	0.982	0.244	0.995	0.039	304.65
100	MGM-CPCStable	300	All	0.001	0.975	0.263	0.988	0.05	299.9
100	MGM-CPCStable	300	All	0.01	0.969	0.276	0.988	0.06	296.85
100	MGM-CPCStable	300	All	0.03	0.967	0.278	0.978	0.064	296.2
100	MGM-CPCStable	300	All	0.05	0.963	0.278	0.953	0.066	296.3
100	MGM-CPCStable	300	All	0.08	0.96	0.279	0.952	0.069	296
100	MGM-CPCStable	500	All	1e-04	0.99	0.308	0.98	0.046	266.75
100	MGM-CPCStable	500	All	0.001	0.991	0.317	0.973	0.05	264.7
100	MGM-CPCStable	500	All	0.01	0.988	0.321	0.982	0.056	263.4
100	MGM-CPCStable	500	All	0.03	0.983	0.323	0.978	0.063	262.4
100	MGM-CPCStable	500	All	0.05	0.983	0.323	0.973	0.064	262.3
100	MGM-CPCStable	500	All	0.08	0.981	0.323	0.965	0.068	261.85

100	MGM-PCStable	100	All	1e-04	0.951	0.12	0.428	0.029	384.15
100	MGM-PCStable	100	All	0.001	0.902	0.139	0.391	0.042	385.1
100	MGM-PCStable	100	All	0.01	0.858	0.157	0.39	0.062	385.75
100	MGM-PCStable	100	All	0.03	0.843	0.162	0.38	0.068	387
100	MGM-PCStable	100	All	0.05	0.834	0.165	0.372	0.071	387.6
100	MGM-PCStable	100	All	0.08	0.829	0.166	0.373	0.073	387.85
100	MGM-PCStable	300	All	1e-04	0.982	0.244	0.439	0.117	316
100	MGM-PCStable	300	All	0.001	0.975	0.263	0.435	0.136	314
100	MGM-PCStable	300	All	0.01	0.969	0.276	0.431	0.148	313.05
100	MGM-PCStable	300	All	0.03	0.967	0.278	0.429	0.149	313
100	MGM-PCStable	300	All	0.05	0.963	0.278	0.426	0.149	313.4
100	MGM-PCStable	300	All	0.08	0.96	0.279	0.424	0.149	313.65
100	MGM-PCStable	500	All	1e-04	0.99	0.308	0.427	0.142	280.15
100	MGM-PCStable	500	All	0.001	0.991	0.317	0.43	0.15	278.75
100	MGM-PCStable	500	All	0.01	0.988	0.321	0.432	0.155	278.45
100	MGM-PCStable	500	All	0.03	0.983	0.323	0.429	0.157	278.6
100	MGM-PCStable	500	All	0.05	0.983	0.323	0.429	0.157	278.6
100	MGM-PCStable	500	All	0.08	0.981	0.323	0.427	0.156	278.9
100	FGES	100	All	1	0.683	0.224	0.542	0.09	387
100	FGES	100	All	1.5	0.662	0.231	0.509	0.097	390.35
100	FGES	100	All	2	0.636	0.232	0.477	0.103	395.75
100	FGES	100	All	3	0.609	0.237	0.46	0.116	400.8
100	FGES	100	All	4	0.595	0.24	0.444	0.121	404.25
100	FGES	100	All	5	0.579	0.244	0.427	0.129	408.25
100	FGES	300	All	1	0.854	0.41	0.75	0.227	271.6
100	FGES	300	All	1.5	0.842	0.412	0.726	0.235	272.85
100	FGES	300	All	2	0.836	0.416	0.726	0.239	272.95
100	FGES	300	All	3	0.821	0.421	0.702	0.255	273.9
100	FGES	300	All	4	0.813	0.425	0.692	0.261	274.6
100	FGES	300	All	5	0.805	0.429	0.684	0.266	275.8
100	FGES	500	All	1	0.915	0.501	0.833	0.269	219.4
100	FGES	500	All	1.5	0.907	0.506	0.826	0.274	219.75
100	FGES	500	All	2	0.898	0.509	0.809	0.281	220.8
100	FGES	500	All	3	0.885	0.514	0.787	0.29	221.65
100	FGES	500	All	4	0.877	0.517	0.774	0.297	222.35
100	FGES	500	All	5	0.874	0.521	0.771	0.3	222.15
100	MGM-PCMax	100	All	1e-04	0.935	0.123	0.278	0.011	386.55
100	MGM-PCMax	100	All	0.001	0.894	0.142	0.267	0.017	387.3
100	MGM-PCMax	100	All	0.01	0.856	0.158	0.301	0.028	387.75
100	MGM-PCMax	100	All	0.03	0.84	0.163	0.285	0.029	389.55
100	MGM-PCMax	100	All	0.05	0.833	0.166	0.292	0.032	389.85
100	MGM-PCMax	100	All	0.08	0.83	0.166	0.287	0.031	390.25
100	MGM-PCMax	300	All	1e-04	0.981	0.245	0.281	0.044	322.4
100	MGM-PCMax	300	All	0.001	0.976	0.264	0.286	0.053	321.1
100	MGM-PCMax	300	All	0.01	0.971	0.276	0.3	0.061	319.45

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100	MGM-PCMax	300	All	0.03	0.966	0.278	0.31	0.065	319.05
100	MGM-PCMax	300	All	0.05	0.962	0.278	0.308	0.064	319.4
100	MGM-PCMax	300	All	0.08	0.959	0.279	0.307	0.065	319.65
100	MGM-PCMax	500	All	1e-04	0.991	0.308	0.3	0.06	285.6
100	MGM-PCMax	500	All	0.001	0.992	0.317	0.324	0.067	283.3
100	MGM-PCMax	500	All	0.01	0.989	0.321	0.32	0.068	283.45
100	MGM-PCMax	500	All	0.03	0.985	0.323	0.322	0.07	283.4
100	MGM-PCMax	500	All	0.05	0.985	0.323	0.322	0.07	283.45
100	MGM-PCMax	500	All	0.08	0.982	0.323	0.322	0.071	283.65
100	Copula-PC	300	CC	1e-04	0.918	0.297	1	0.078	70.5
100	Copula-PC	300	CC	0.001	0.853	0.332	0.938	0.097	70.5
100	Copula-PC	300	CC	0.01	0.653	0.368	0.915	0.114	77.8
100	Copula-PC	300	CC	0.03	0.49	0.392	0.759	0.139	94.3
100	Copula-PC	300	CC	0.05	0.435	0.416	0.589	0.157	105.35
100	Copula-PC	300	CC	0.08	0.375	0.433	0.476	0.172	120.25
100	Copula-PC	500	CC	1e-04	0.878	0.423	0.905	0.105	62.85
100	Copula-PC	500	CC	0.001	0.804	0.448	0.823	0.112	65.35
100	Copula-PC	500	CC	0.01	0.644	0.481	0.722	0.132	76.9
100	Copula-PC	500	CC	0.03	0.538	0.518	0.602	0.169	90.3
100	Copula-PC	500	CC	0.05	0.479	0.533	0.543	0.207	101.2
100	Copula-PC	500	CC	0.08	0.417	0.553	0.459	0.225	118.65
100	MGM-CPCStable	100	CC	1e-04	0.983	0.143	1	0.009	92.85
100	MGM-CPCStable	100	CC	0.001	0.93	0.17	1	0.011	92.4
100	MGM-CPCStable	100	CC	0.01	0.879	0.19	1	0.017	92.3
100	MGM-CPCStable	100	CC	0.03	0.861	0.194	1	0.018	92.65
100	MGM-CPCStable	100	CC	0.05	0.841	0.198	0.972	0.021	92.95
100	MGM-CPCStable	100	CC	0.08	0.846	0.2	1	0.019	92.9
100	MGM-CPCStable	300	CC	1e-04	0.975	0.33	1	0.062	68.8
100	MGM-CPCStable	300	CC	0.001	0.974	0.357	0.932	0.081	66.95
100	MGM-CPCStable	300	CC	0.01	0.972	0.37	0.967	0.098	65.75
100	MGM-CPCStable	300	CC	0.03	0.972	0.374	0.975	0.104	65.35
100	MGM-CPCStable	300	CC	0.05	0.969	0.374	0.964	0.104	65.5
100	MGM-CPCStable	300	CC	0.08	0.969	0.377	0.93	0.107	65.4
100	MGM-CPCStable	500	CC	1e-04	0.992	0.439	0.978	0.086	59.6
100	MGM-CPCStable	500	CC	0.001	0.992	0.448	0.985	0.094	58.8
100	MGM-CPCStable	500	CC	0.01	0.992	0.453	0.984	0.101	58.4
100	MGM-CPCStable	500	CC	0.03	0.988	0.458	0.984	0.115	57.8
100	MGM-CPCStable	500	CC	0.05	0.988	0.458	0.974	0.114	57.85
100	MGM-CPCStable	500	CC	0.08	0.984	0.458	0.976	0.122	57.7
100	MGM-PCStable	100	CC	1e-04	0.983	0.143	0.409	0.033	93.8
100	MGM-PCStable	100	CC	0.001	0.93	0.17	0.373	0.054	94.05
100	MGM-PCStable	100	CC	0.01	0.879	0.19	0.374	0.068	94.45
100	MGM-PCStable	100	CC	0.03	0.861	0.194	0.361	0.072	95.2
100	MGM-PCStable	100	CC	0.05	0.841	0.198	0.343	0.079	95.5
100	MGM-PCStable	100	CC	0.08	0.846	0.2	0.35	0.084	95.4

100	MGM-PCStable	300	CC	1e-04	0.975	0.33	0.397	0.155	73.1
100	MGM-PCStable	300	CC	0.001	0.974	0.357	0.388	0.177	72.4
100	MGM-PCStable	300	CC	0.01	0.972	0.37	0.388	0.192	71.95
100	MGM-PCStable	300	CC	0.03	0.972	0.374	0.384	0.194	71.85
100	MGM-PCStable	300	CC	0.05	0.969	0.374	0.384	0.194	71.95
100	MGM-PCStable	300	CC	0.08	0.969	0.377	0.386	0.196	71.85
100	MGM-PCStable	500	CC	1e-04	0.992	0.439	0.451	0.241	64.8
100	MGM-PCStable	500	CC	0.001	0.992	0.448	0.456	0.253	64.2
100	MGM-PCStable	500	CC	0.01	0.992	0.453	0.458	0.26	64
100	MGM-PCStable	500	CC	0.03	0.988	0.458	0.459	0.265	63.95
100	MGM-PCStable	500	CC	0.05	0.988	0.458	0.459	0.265	63.95
100	MGM-PCStable	500	CC	0.08	0.984	0.458	0.457	0.262	64.25
100	FGES	100	CC	1	0.698	0.259	0.518	0.097	94.4
100	FGES	100	CC	1.5	0.675	0.267	0.457	0.101	95.7
100	FGES	100	CC	2	0.65	0.271	0.418	0.105	97.3
100	FGES	100	CC	3	0.615	0.274	0.41	0.117	99.4
100	FGES	100	CC	4	0.596	0.279	0.403	0.127	100.6
100	FGES	100	CC	5	0.581	0.281	0.391	0.136	101.65
100	FGES	300	CC	1	0.874	0.492	0.776	0.299	59
100	FGES	300	CC	1.5	0.864	0.494	0.756	0.309	59.15
100	FGES	300	CC	2	0.862	0.498	0.765	0.314	58.85
100	FGES	300	CC	3	0.844	0.503	0.741	0.331	59.3
100	FGES	300	CC	4	0.838	0.509	0.73	0.336	59.55
100	FGES	300	CC	5	0.828	0.509	0.717	0.338	60.1
100	FGES	500	CC	1	0.925	0.587	0.862	0.357	47.5
100	FGES	500	CC	1.5	0.917	0.594	0.856	0.363	47.6
100	FGES	500	CC	2	0.9	0.597	0.847	0.37	48.05
100	FGES	500	CC	3	0.884	0.602	0.824	0.386	48.2
100	FGES	500	CC	4	0.881	0.608	0.817	0.393	48.25
100	FGES	500	CC	5	0.874	0.612	0.811	0.397	48.45
100	MGM-PCMax	100	CC	1e-04	0.972	0.145	0.245	0.013	94.35
100	MGM-PCMax	100	CC	0.001	0.918	0.171	0.268	0.025	94.55
100	MGM-PCMax	100	CC	0.01	0.87	0.19	0.302	0.038	94.85
100	MGM-PCMax	100	CC	0.03	0.854	0.194	0.271	0.037	95.95
100	MGM-PCMax	100	CC	0.05	0.839	0.198	0.282	0.044	96.05
100	MGM-PCMax	100	CC	0.08	0.84	0.2	0.271	0.041	96.1
100	MGM-PCMax	300	CC	1e-04	0.975	0.33	0.291	0.066	74.55
100	MGM-PCMax	300	CC	0.001	0.973	0.357	0.249	0.075	74.5
100	MGM-PCMax	300	CC	0.01	0.972	0.37	0.246	0.08	73.95
100	MGM-PCMax	300	CC	0.03	0.969	0.374	0.261	0.087	73.55
100	MGM-PCMax	300	CC	0.05	0.966	0.374	0.25	0.085	73.75
100	MGM-PCMax	300	CC	0.08	0.969	0.377	0.251	0.085	73.7
100	MGM-PCMax	500	CC	1e-04	0.995	0.44	0.317	0.113	66.85
100	MGM-PCMax	500	CC	0.001	0.995	0.448	0.346	0.123	66
100	MGM-PCMax	500	CC	0.01	0.995	0.453	0.343	0.121	66

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100	MGM-PCMax	500	CC	0.03	0.991	0.458	0.341	0.125	66
100	MGM-PCMax	500	CC	0.05	0.991	0.458	0.346	0.126	65.9
100	MGM-PCMax	500	CC	0.08	0.987	0.458	0.345	0.126	66.1
100	Copula-PC	300	CD	1e-04	0.859	0.159	0.983	0.029	164.4
100	Copula-PC	300	CD	0.001	0.766	0.19	0.902	0.039	166.35
100	Copula-PC	300	CD	0.01	0.523	0.232	0.663	0.049	189
100	Copula-PC	300	CD	0.03	0.383	0.267	0.54	0.057	224.2
100	Copula-PC	300	CD	0.05	0.321	0.285	0.414	0.065	253.35
100	Copula-PC	300	CD	0.08	0.265	0.304	0.322	0.08	295.65
100	Copula-PC	500	CD	1e-04	0.773	0.228	0.779	0.045	146.5
100	Copula-PC	500	CD	0.001	0.619	0.256	0.628	0.055	156.35
100	Copula-PC	500	CD	0.01	0.416	0.299	0.485	0.075	190.75
100	Copula-PC	500	CD	0.03	0.307	0.33	0.322	0.086	234.55
100	Copula-PC	500	CD	0.05	0.254	0.344	0.279	0.106	271.95
100	Copula-PC	500	CD	0.08	0.22	0.359	0.236	0.129	310.2
100	MGM-CPCStable	100	CD	1e-04	0.924	0.111	0.833	0.004	194.05
100	MGM-CPCStable	100	CD	0.001	0.875	0.128	0.929	0.011	193.4
100	MGM-CPCStable	100	CD	0.01	0.825	0.145	0.944	0.017	193.2
100	MGM-CPCStable	100	CD	0.03	0.818	0.15	0.937	0.024	192.7
100	MGM-CPCStable	100	CD	0.05	0.814	0.154	0.877	0.026	192.65
100	MGM-CPCStable	100	CD	0.08	0.808	0.154	0.945	0.026	192.75
100	MGM-CPCStable	300	CD	1e-04	0.981	0.195	0.987	0.027	158.5
100	MGM-CPCStable	300	CD	0.001	0.965	0.212	0.987	0.034	156.85
100	MGM-CPCStable	300	CD	0.01	0.956	0.222	0.979	0.041	155.8
100	MGM-CPCStable	300	CD	0.03	0.953	0.223	0.968	0.044	155.65
100	MGM-CPCStable	300	CD	0.05	0.946	0.224	0.957	0.046	155.75
100	MGM-CPCStable	300	CD	0.08	0.944	0.225	0.965	0.048	155.55
100	MGM-CPCStable	500	CD	1e-04	0.995	0.243	1	0.034	137.3
100	MGM-CPCStable	500	CD	0.001	0.996	0.248	0.933	0.037	136.7
100	MGM-CPCStable	500	CD	0.01	0.993	0.253	0.938	0.043	135.85
100	MGM-CPCStable	500	CD	0.03	0.991	0.254	0.933	0.049	135.55
100	MGM-CPCStable	500	CD	0.05	0.991	0.254	0.933	0.049	135.45
100	MGM-CPCStable	500	CD	0.08	0.991	0.254	0.922	0.053	135.25
100	MGM-PCStable	100	CD	1e-04	0.924	0.111	0.342	0.025	195.5
100	MGM-PCStable	100	CD	0.001	0.875	0.128	0.35	0.036	195.9
100	MGM-PCStable	100	CD	0.01	0.825	0.145	0.362	0.057	196.3
100	MGM-PCStable	100	CD	0.03	0.818	0.15	0.375	0.065	196.35
100	MGM-PCStable	100	CD	0.05	0.814	0.154	0.365	0.067	196.55
100	MGM-PCStable	100	CD	0.08	0.808	0.154	0.366	0.069	196.7
100	MGM-PCStable	300	CD	1e-04	0.981	0.195	0.451	0.096	162.3
100	MGM-PCStable	300	CD	0.001	0.965	0.212	0.433	0.112	161.75
100	MGM-PCStable	300	CD	0.01	0.956	0.222	0.432	0.122	161.3
100	MGM-PCStable	300	CD	0.03	0.953	0.223	0.43	0.122	161.45
100	MGM-PCStable	300	CD	0.05	0.946	0.224	0.423	0.122	161.75
100	MGM-PCStable	300	CD	0.08	0.944	0.225	0.423	0.123	161.8

100	MGM-PCStable	500	CD	1e-04	0.995	0.243	0.407	0.108	142.5
100	MGM-PCStable	500	CD	0.001	0.996	0.248	0.415	0.117	141.85
100	MGM-PCStable	500	CD	0.01	0.993	0.253	0.418	0.122	141.65
100	MGM-PCStable	500	CD	0.03	0.991	0.254	0.414	0.122	141.75
100	MGM-PCStable	500	CD	0.05	0.991	0.254	0.414	0.122	141.75
100	MGM-PCStable	500	CD	0.08	0.991	0.254	0.414	0.122	141.75
100	FGES	100	CD	1	0.665	0.216	0.533	0.087	197
100	FGES	100	CD	1.5	0.65	0.221	0.522	0.095	198.05
100	FGES	100	CD	2	0.623	0.222	0.484	0.101	200.95
100	FGES	100	CD	3	0.602	0.226	0.466	0.114	202.75
100	FGES	100	CD	4	0.589	0.23	0.442	0.118	204.5
100	FGES	100	CD	5	0.575	0.232	0.422	0.125	206.35
100	FGES	300	CD	1	0.825	0.374	0.719	0.198	144.1
100	FGES	300	CD	1.5	0.812	0.377	0.689	0.205	145
100	FGES	300	CD	2	0.803	0.382	0.683	0.21	145.3
100	FGES	300	CD	3	0.791	0.389	0.664	0.226	145.3
100	FGES	300	CD	4	0.782	0.391	0.655	0.234	145.8
100	FGES	300	CD	5	0.773	0.396	0.648	0.24	146.45
100	FGES	500	CD	1	0.895	0.463	0.803	0.234	115.15
100	FGES	500	CD	1.5	0.885	0.466	0.795	0.24	115.4
100	FGES	500	CD	2	0.877	0.469	0.777	0.248	115.7
100	FGES	500	CD	3	0.862	0.476	0.755	0.256	116.7
100	FGES	500	CD	4	0.848	0.478	0.734	0.263	117.45
100	FGES	500	CD	5	0.848	0.482	0.732	0.265	117.2
100	MGM-PCMax	100	CD	1e-04	0.912	0.115	0.237	0.01	196.25
100	MGM-PCMax	100	CD	0.001	0.869	0.131	0.218	0.013	196.95
100	MGM-PCMax	100	CD	0.01	0.825	0.145	0.265	0.024	197.1
100	MGM-PCMax	100	CD	0.03	0.817	0.151	0.28	0.026	197.5
100	MGM-PCMax	100	CD	0.05	0.814	0.154	0.283	0.028	197.65
100	MGM-PCMax	100	CD	0.08	0.81	0.154	0.287	0.028	197.7
100	MGM-PCMax	300	CD	1e-04	0.979	0.197	0.281	0.035	165.5
100	MGM-PCMax	300	CD	0.001	0.965	0.212	0.301	0.043	164.75
100	MGM-PCMax	300	CD	0.01	0.958	0.222	0.319	0.049	164.3
100	MGM-PCMax	300	CD	0.03	0.953	0.223	0.317	0.051	164.65
100	MGM-PCMax	300	CD	0.05	0.946	0.224	0.312	0.05	164.9
100	MGM-PCMax	300	CD	0.08	0.943	0.225	0.315	0.05	164.95
100	MGM-PCMax	500	CD	1e-04	0.995	0.243	0.296	0.043	145.05
100	MGM-PCMax	500	CD	0.001	0.996	0.248	0.311	0.048	144.2
100	MGM-PCMax	500	CD	0.01	0.993	0.253	0.309	0.049	144.3
100	MGM-PCMax	500	CD	0.03	0.991	0.254	0.306	0.05	144.35
100	MGM-PCMax	500	CD	0.05	0.991	0.254	0.308	0.051	144.4
100	MGM-PCMax	500	CD	0.08	0.991	0.254	0.31	0.051	144.3
100	Copula-PC	300	DD	1e-04	0.885	0.204	1	0.042	81.45
100	Copula-PC	300	DD	0.001	0.795	0.237	0.958	0.054	82.9
100	Copula-PC	300	DD	0.01	0.588	0.301	0.747	0.072	92.5

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100	Copula-PC	300	DD	0.03	0.43	0.323	0.572	0.079	110.3
100	Copula-PC	300	DD	0.05	0.371	0.339	0.468	0.084	123.1
100	Copula-PC	300	DD	0.08	0.314	0.359	0.387	0.104	140.1
100	Copula-PC	500	DD	1e-04	0.709	0.284	0.648	0.038	81.3
100	Copula-PC	500	DD	0.001	0.567	0.324	0.469	0.05	91.55
100	Copula-PC	500	DD	0.01	0.389	0.371	0.381	0.075	118.2
100	Copula-PC	500	DD	0.03	0.292	0.408	0.26	0.095	148.45
100	Copula-PC	500	DD	0.05	0.253	0.43	0.231	0.122	168.25
100	Copula-PC	500	DD	0.08	0.216	0.442	0.196	0.139	193
100	MGM-CPCStable	100	DD	1e-04	0.947	0.121	1	0.008	94.75
100	MGM-CPCStable	100	DD	0.001	0.889	0.136	1	0.016	94.35
100	MGM-CPCStable	100	DD	0.01	0.871	0.156	1	0.025	93.7
100	MGM-CPCStable	100	DD	0.03	0.851	0.161	0.932	0.028	93.8
100	MGM-CPCStable	100	DD	0.05	0.851	0.162	0.875	0.028	93.85
100	MGM-CPCStable	100	DD	0.08	0.844	0.162	0.865	0.035	93.9
100	MGM-CPCStable	300	DD	1e-04	0.989	0.262	1	0.04	77.35
100	MGM-CPCStable	300	DD	0.001	0.985	0.281	1	0.05	76.1
100	MGM-CPCStable	300	DD	0.01	0.982	0.294	1	0.059	75.3
100	MGM-CPCStable	300	DD	0.03	0.98	0.296	1	0.06	75.2
100	MGM-CPCStable	300	DD	0.05	0.98	0.296	0.94	0.064	75.05
100	MGM-CPCStable	300	DD	0.08	0.971	0.296	0.922	0.068	75.05
100	MGM-CPCStable	500	DD	1e-04	0.985	0.302	1	0.03	69.85
100	MGM-CPCStable	500	DD	0.001	0.985	0.318	1	0.033	69.2
100	MGM-CPCStable	500	DD	0.01	0.979	0.321	1	0.036	69.15
100	MGM-CPCStable	500	DD	0.03	0.972	0.323	1	0.042	69.05
100	MGM-CPCStable	500	DD	0.05	0.972	0.323	0.983	0.043	69
100	MGM-CPCStable	500	DD	0.08	0.972	0.325	0.912	0.045	68.9
100	MGM-PCStable	100	DD	1e-04	0.947	0.121	0.494	0.036	94.85
100	MGM-PCStable	100	DD	0.001	0.889	0.136	0.478	0.043	95.15
100	MGM-PCStable	100	DD	0.01	0.871	0.156	0.488	0.066	95
100	MGM-PCStable	100	DD	0.03	0.851	0.161	0.443	0.07	95.45
100	MGM-PCStable	100	DD	0.05	0.851	0.162	0.436	0.071	95.55
100	MGM-PCStable	100	DD	0.08	0.844	0.162	0.434	0.073	95.75
100	MGM-PCStable	300	DD	1e-04	0.989	0.262	0.413	0.125	80.6
100	MGM-PCStable	300	DD	0.001	0.985	0.281	0.435	0.147	79.85
100	MGM-PCStable	300	DD	0.01	0.982	0.294	0.422	0.154	79.8
100	MGM-PCStable	300	DD	0.03	0.98	0.296	0.421	0.156	79.7
100	MGM-PCStable	300	DD	0.05	0.98	0.296	0.419	0.156	79.7
100	MGM-PCStable	300	DD	0.08	0.971	0.296	0.414	0.155	80
100	MGM-PCStable	500	DD	1e-04	0.985	0.302	0.372	0.109	72.85
100	MGM-PCStable	500	DD	0.001	0.985	0.318	0.369	0.113	72.7
100	MGM-PCStable	500	DD	0.01	0.979	0.321	0.365	0.116	72.8
100	MGM-PCStable	500	DD	0.03	0.972	0.323	0.361	0.117	72.9
100	MGM-PCStable	500	DD	0.05	0.972	0.323	0.361	0.117	72.9
100	MGM-PCStable	500	DD	0.08	0.972	0.325	0.361	0.117	72.9

100	FGES	100	DD	1	0.707	0.216	0.591	0.092	95.6
100	FGES	100	DD	1.5	0.675	0.224	0.546	0.099	96.6
100	FGES	100	DD	2	0.655	0.224	0.531	0.104	97.5
100	FGES	100	DD	3	0.626	0.228	0.492	0.12	98.65
100	FGES	100	DD	4	0.615	0.232	0.481	0.125	99.15
100	FGES	100	DD	5	0.598	0.241	0.471	0.135	100.25
100	FGES	300	DD	1	0.893	0.408	0.773	0.212	68.5
100	FGES	300	DD	1.5	0.881	0.408	0.764	0.22	68.7
100	FGES	300	DD	2	0.877	0.408	0.761	0.223	68.8
100	FGES	300	DD	3	0.863	0.411	0.733	0.237	69.3
100	FGES	300	DD	4	0.858	0.416	0.725	0.242	69.25
100	FGES	300	DD	5	0.855	0.421	0.717	0.248	69.25
100	FGES	500	DD	1	0.944	0.501	0.867	0.259	56.75
100	FGES	500	DD	1.5	0.941	0.506	0.863	0.259	56.75
100	FGES	500	DD	2	0.935	0.508	0.843	0.264	57.05
100	FGES	500	DD	3	0.932	0.51	0.829	0.272	56.75
100	FGES	500	DD	4	0.927	0.516	0.82	0.278	56.65
100	FGES	500	DD	5	0.926	0.519	0.82	0.283	56.5
100	MGM-PCMax	100	DD	1e-04	0.936	0.122	0.322	0.014	95.95
100	MGM-PCMax	100	DD	0.001	0.886	0.142	0.337	0.018	95.8
100	MGM-PCMax	100	DD	0.01	0.873	0.158	0.357	0.025	95.8
100	MGM-PCMax	100	DD	0.03	0.857	0.163	0.311	0.027	96.1
100	MGM-PCMax	100	DD	0.05	0.852	0.163	0.333	0.029	96.15
100	MGM-PCMax	100	DD	0.08	0.845	0.163	0.33	0.029	96.45
100	MGM-PCMax	300	DD	1e-04	0.99	0.263	0.215	0.04	82.35
100	MGM-PCMax	300	DD	0.001	0.99	0.281	0.255	0.05	81.85
100	MGM-PCMax	300	DD	0.01	0.982	0.294	0.296	0.063	81.2
100	MGM-PCMax	300	DD	0.03	0.98	0.296	0.316	0.068	80.85
100	MGM-PCMax	300	DD	0.05	0.98	0.296	0.321	0.07	80.75
100	MGM-PCMax	300	DD	0.08	0.971	0.296	0.318	0.07	81
100	MGM-PCMax	500	DD	1e-04	0.985	0.302	0.277	0.045	73.7
100	MGM-PCMax	500	DD	0.001	0.985	0.318	0.299	0.055	73.1
100	MGM-PCMax	500	DD	0.01	0.979	0.321	0.31	0.057	73.15
100	MGM-PCMax	500	DD	0.03	0.975	0.323	0.325	0.061	73.05
100	MGM-PCMax	500	DD	0.05	0.975	0.323	0.319	0.06	73.15
100	MGM-PCMax	500	DD	0.08	0.972	0.325	0.316	0.06	73.25

Table 10: Comparison of mixed data structure learning algorithms with Conditional Gaussian Simulated data with average density 2.5

Num.Vars	Algorithm	Sample.Size	Type	Parameter	AP	AR	AHP	AHR	SHD
50	Copula-PC	100	All	1e-04	0.941	0.066	0.857	0.006	254.65
50	Copula-PC	100	All	0.001	0.886	0.083	0.868	0.012	253.5
50	Copula-PC	100	All	0.01	0.715	0.112	0.896	0.016	257.8
50	Copula-PC	100	All	0.03	0.603	0.134	0.687	0.022	265.9



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50	Copula-PC	100	All	0.05	0.513	0.151	0.566	0.025	278.25
50	Copula-PC	100	All	0.08	0.438	0.166	0.45	0.032	293.5
50	Copula-PC	300	All	1e-04	0.941	0.142	0.937	0.028	223.3
50	Copula-PC	300	All	0.001	0.866	0.163	0.948	0.033	224.15
50	Copula-PC	300	All	0.01	0.699	0.204	0.765	0.042	232.95
50	Copula-PC	300	All	0.03	0.56	0.237	0.679	0.055	251.3
50	Copula-PC	300	All	0.05	0.508	0.263	0.585	0.06	264.95
50	Copula-PC	300	All	0.08	0.436	0.285	0.517	0.069	287.4
50	Copula-PC	500	All	1e-04	0.873	0.189	0.877	0.049	229.95
50	Copula-PC	500	All	0.001	0.798	0.221	0.75	0.055	232.85
50	Copula-PC	500	All	0.01	0.638	0.267	0.692	0.076	248.05
50	Copula-PC	500	All	0.03	0.532	0.301	0.542	0.092	270.05
50	Copula-PC	500	All	0.05	0.48	0.322	0.476	0.103	288.15
50	Copula-PC	500	All	0.08	0.43	0.348	0.432	0.122	309.5
50	MGM-CPCStable	100	All	1e-04	0.947	0.081	1	0.004	253.1
50	MGM-CPCStable	100	All	0.001	0.933	0.094	0.975	0.009	251.45
50	MGM-CPCStable	100	All	0.01	0.908	0.105	0.977	0.012	250.7
50	MGM-CPCStable	100	All	0.03	0.896	0.109	0.889	0.015	250.5
50	MGM-CPCStable	100	All	0.05	0.899	0.11	0.84	0.014	250.4
50	MGM-CPCStable	100	All	0.08	0.899	0.111	0.807	0.016	250.15
50	MGM-CPCStable	300	All	1e-04	0.993	0.159	0.958	0.022	220.2
50	MGM-CPCStable	300	All	0.001	0.991	0.169	0.967	0.026	218.8
50	MGM-CPCStable	300	All	0.01	0.985	0.176	0.942	0.029	218.05
50	MGM-CPCStable	300	All	0.03	0.983	0.178	0.945	0.03	217.8
50	MGM-CPCStable	300	All	0.05	0.978	0.178	0.971	0.029	218.1
50	MGM-CPCStable	300	All	0.08	0.978	0.179	0.969	0.032	217.7
50	MGM-CPCStable	500	All	1e-04	0.98	0.179	0.903	0.033	227.2
50	MGM-CPCStable	500	All	0.001	0.98	0.184	0.874	0.037	226.3
50	MGM-CPCStable	500	All	0.01	0.976	0.185	0.868	0.044	225.95
50	MGM-CPCStable	500	All	0.03	0.971	0.186	0.884	0.046	225.75
50	MGM-CPCStable	500	All	0.05	0.966	0.186	0.883	0.048	225.7
50	MGM-CPCStable	500	All	0.08	0.96	0.187	0.853	0.047	226.15
50	MGM-PCStable	100	All	1e-04	0.947	0.081	0.44	0.019	254.25
50	MGM-PCStable	100	All	0.001	0.933	0.094	0.446	0.031	253.35
50	MGM-PCStable	100	All	0.01	0.908	0.105	0.397	0.037	253.4
50	MGM-PCStable	100	All	0.03	0.896	0.109	0.369	0.039	253.75
50	MGM-PCStable	100	All	0.05	0.899	0.11	0.37	0.04	253.7
50	MGM-PCStable	100	All	0.08	0.899	0.111	0.366	0.041	253.7
50	MGM-PCStable	300	All	1e-04	0.993	0.159	0.443	0.071	224.75
50	MGM-PCStable	300	All	0.001	0.991	0.169	0.448	0.079	223.7
50	MGM-PCStable	300	All	0.01	0.985	0.176	0.443	0.086	223.4
50	MGM-PCStable	300	All	0.03	0.983	0.178	0.438	0.086	223.5
50	MGM-PCStable	300	All	0.05	0.978	0.178	0.436	0.087	223.65
50	MGM-PCStable	300	All	0.08	0.978	0.179	0.435	0.087	223.6
50	MGM-PCStable	500	All	1e-04	0.98	0.179	0.442	0.09	233.15

50	MGM-PCStable	500	All	0.001	0.98	0.184	0.442	0.094	232.8
50	MGM-PCStable	500	All	0.01	0.976	0.185	0.439	0.095	233
50	MGM-PCStable	500	All	0.03	0.971	0.186	0.437	0.095	233.2
50	MGM-PCStable	500	All	0.05	0.966	0.186	0.433	0.096	233.35
50	MGM-PCStable	500	All	0.08	0.96	0.187	0.431	0.096	233.6
50	FGES	100	All	1	0.715	0.178	0.538	0.07	253.2
50	FGES	100	All	1.5	0.697	0.184	0.52	0.075	254.65
50	FGES	100	All	2	0.686	0.188	0.508	0.08	255.25
50	FGES	100	All	3	0.67	0.193	0.505	0.086	255.95
50	FGES	100	All	4	0.656	0.197	0.493	0.094	256.75
50	FGES	100	All	5	0.64	0.199	0.485	0.097	258.4
50	FGES	300	All	1	0.867	0.314	0.69	0.177	200.8
50	FGES	300	All	1.5	0.858	0.318	0.683	0.181	200.8
50	FGES	300	All	2	0.853	0.321	0.682	0.184	200.65
50	FGES	300	All	3	0.843	0.329	0.673	0.193	200.4
50	FGES	300	All	4	0.833	0.332	0.669	0.197	200.95
50	FGES	300	All	5	0.826	0.335	0.661	0.201	200.95
50	FGES	500	All	1	0.885	0.373	0.755	0.248	194.6
50	FGES	500	All	1.5	0.88	0.376	0.749	0.25	194.75
50	FGES	500	All	2	0.876	0.378	0.737	0.252	195
50	FGES	500	All	3	0.865	0.382	0.73	0.256	195.3
50	FGES	500	All	4	0.855	0.386	0.713	0.262	196.25
50	FGES	500	All	5	0.852	0.388	0.707	0.268	196.15
50	MGM-PCMax	100	All	1e-04	0.944	0.084	0.296	0.008	254.8
50	MGM-PCMax	100	All	0.001	0.931	0.097	0.295	0.014	254.25
50	MGM-PCMax	100	All	0.01	0.911	0.106	0.295	0.017	254.55
50	MGM-PCMax	100	All	0.03	0.899	0.109	0.29	0.019	254.5
50	MGM-PCMax	100	All	0.05	0.899	0.11	0.294	0.02	254.4
50	MGM-PCMax	100	All	0.08	0.899	0.111	0.29	0.02	254.4
50	MGM-PCMax	300	All	1e-04	0.993	0.161	0.339	0.034	225.85
50	MGM-PCMax	300	All	0.001	0.991	0.17	0.334	0.039	225.05
50	MGM-PCMax	300	All	0.01	0.985	0.176	0.34	0.042	224.8
50	MGM-PCMax	300	All	0.03	0.983	0.178	0.342	0.042	224.75
50	MGM-PCMax	300	All	0.05	0.978	0.178	0.341	0.042	224.85
50	MGM-PCMax	300	All	0.08	0.978	0.179	0.344	0.043	224.75
50	MGM-PCMax	500	All	1e-04	0.978	0.179	0.346	0.041	235.1
50	MGM-PCMax	500	All	0.001	0.978	0.184	0.344	0.042	234.95
50	MGM-PCMax	500	All	0.01	0.974	0.185	0.348	0.044	234.85
50	MGM-PCMax	500	All	0.03	0.969	0.186	0.348	0.044	235
50	MGM-PCMax	500	All	0.05	0.964	0.186	0.358	0.048	234.75
50	MGM-PCMax	500	All	0.08	0.958	0.187	0.348	0.048	235.25
50	Copula-PC	100	CC	1e-04	0.988	0.075	1	0.009	64.6
50	Copula-PC	100	CC	0.001	0.938	0.107	0.881	0.021	63.65
50	Copula-PC	100	CC	0.01	0.738	0.125	0.896	0.026	64.55
50	Copula-PC	100	CC	0.03	0.599	0.144	0.833	0.03	66.75

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50	Copula-PC	100	CC	0.05	0.532	0.164	0.795	0.035	69.4
50	Copula-PC	100	CC	0.08	0.468	0.17	0.674	0.047	72.5
50	Copula-PC	300	CC	1e-04	0.972	0.285	0.968	0.087	50.1
50	Copula-PC	300	CC	0.001	0.937	0.314	0.986	0.101	49.5
50	Copula-PC	300	CC	0.01	0.839	0.359	0.93	0.116	50.1
50	Copula-PC	300	CC	0.03	0.77	0.395	0.782	0.146	51.05
50	Copula-PC	300	CC	0.05	0.7	0.421	0.727	0.152	54.45
50	Copula-PC	300	CC	0.08	0.637	0.451	0.68	0.168	57.65
50	Copula-PC	500	CC	1e-04	0.944	0.387	0.933	0.152	46.6
50	Copula-PC	500	CC	0.001	0.916	0.428	0.856	0.167	45.7
50	Copula-PC	500	CC	0.01	0.861	0.489	0.897	0.21	44.7
50	Copula-PC	500	CC	0.03	0.771	0.527	0.817	0.229	47.55
50	Copula-PC	500	CC	0.05	0.724	0.549	0.799	0.24	49.85
50	Copula-PC	500	CC	0.08	0.676	0.573	0.782	0.275	52.35
50	MGM-CPCStable	100	CC	1e-04	0.989	0.09	1	0.007	64.15
50	MGM-CPCStable	100	CC	0.001	0.956	0.111	0.917	0.013	63.6
50	MGM-CPCStable	100	CC	0.01	0.934	0.117	0.917	0.018	63.45
50	MGM-CPCStable	100	CC	0.03	0.92	0.118	0.917	0.02	63.45
50	MGM-CPCStable	100	CC	0.05	0.923	0.121	0.833	0.018	63.4
50	MGM-CPCStable	100	CC	0.08	0.923	0.123	0.806	0.022	63.3
50	MGM-CPCStable	300	CC	1e-04	0.993	0.287	1	0.07	50.35
50	MGM-CPCStable	300	CC	0.001	0.993	0.298	1	0.08	49.8
50	MGM-CPCStable	300	CC	0.01	0.994	0.306	0.923	0.083	49.55
50	MGM-CPCStable	300	CC	0.03	0.994	0.306	0.923	0.083	49.55
50	MGM-CPCStable	300	CC	0.05	0.988	0.306	1	0.083	49.6
50	MGM-CPCStable	300	CC	0.08	0.988	0.307	1	0.088	49.4
50	MGM-CPCStable	500	CC	1e-04	0.977	0.329	0.898	0.11	48.95
50	MGM-CPCStable	500	CC	0.001	0.975	0.337	0.904	0.122	48.55
50	MGM-CPCStable	500	CC	0.01	0.975	0.34	0.909	0.135	48.25
50	MGM-CPCStable	500	CC	0.03	0.975	0.341	0.92	0.139	48.05
50	MGM-CPCStable	500	CC	0.05	0.97	0.341	0.911	0.142	48.1
50	MGM-CPCStable	500	CC	0.08	0.959	0.341	0.9	0.14	48.4
50	MGM-PCStable	100	CC	1e-04	0.989	0.09	0.546	0.028	64.4
50	MGM-PCStable	100	CC	0.001	0.956	0.111	0.446	0.045	64.05
50	MGM-PCStable	100	CC	0.01	0.934	0.117	0.384	0.046	64.25
50	MGM-PCStable	100	CC	0.03	0.92	0.118	0.339	0.046	64.4
50	MGM-PCStable	100	CC	0.05	0.923	0.121	0.339	0.046	64.4
50	MGM-PCStable	100	CC	0.08	0.923	0.123	0.332	0.048	64.4
50	MGM-PCStable	300	CC	1e-04	0.993	0.287	0.472	0.158	52.95
50	MGM-PCStable	300	CC	0.001	0.993	0.298	0.479	0.174	52.6
50	MGM-PCStable	300	CC	0.01	0.994	0.306	0.484	0.181	52.45
50	MGM-PCStable	300	CC	0.03	0.994	0.306	0.482	0.181	52.5
50	MGM-PCStable	300	CC	0.05	0.988	0.306	0.48	0.181	52.6
50	MGM-PCStable	300	CC	0.08	0.988	0.307	0.479	0.181	52.6
50	MGM-PCStable	500	CC	1e-04	0.977	0.329	0.487	0.196	52

50	MGM-PCStable	500	CC	0.001	0.975	0.337	0.477	0.204	52
50	MGM-PCStable	500	CC	0.01	0.975	0.34	0.482	0.208	51.95
50	MGM-PCStable	500	CC	0.03	0.975	0.341	0.48	0.208	51.95
50	MGM-PCStable	500	CC	0.05	0.97	0.341	0.472	0.208	52.05
50	MGM-PCStable	500	CC	0.08	0.959	0.341	0.467	0.208	52.25
50	FGES	100	CC	1	0.699	0.179	0.436	0.076	65
50	FGES	100	CC	1.5	0.687	0.186	0.429	0.078	65.3
50	FGES	100	CC	2	0.676	0.187	0.422	0.08	65.5
50	FGES	100	CC	3	0.692	0.192	0.458	0.08	65.45
50	FGES	100	CC	4	0.667	0.198	0.402	0.086	65.7
50	FGES	100	CC	5	0.659	0.203	0.417	0.091	65.95
50	FGES	300	CC	1	0.888	0.467	0.772	0.308	42.6
50	FGES	300	CC	1.5	0.887	0.472	0.752	0.313	42.55
50	FGES	300	CC	2	0.879	0.475	0.755	0.319	42.55
50	FGES	300	CC	3	0.868	0.482	0.737	0.331	42.55
50	FGES	300	CC	4	0.851	0.482	0.731	0.331	43.1
50	FGES	300	CC	5	0.845	0.486	0.72	0.339	43.05
50	FGES	500	CC	1	0.913	0.576	0.808	0.438	36.05
50	FGES	500	CC	1.5	0.907	0.586	0.797	0.448	35.95
50	FGES	500	CC	2	0.906	0.589	0.791	0.45	36
50	FGES	500	CC	3	0.896	0.596	0.777	0.459	35.95
50	FGES	500	CC	4	0.882	0.601	0.757	0.462	36.55
50	FGES	500	CC	5	0.881	0.603	0.758	0.467	36.4
50	MGM-PCMax	100	CC	1e-04	0.963	0.093	0.208	0.008	64.85
50	MGM-PCMax	100	CC	0.001	0.93	0.112	0.187	0.015	64.75
50	MGM-PCMax	100	CC	0.01	0.934	0.118	0.199	0.017	64.75
50	MGM-PCMax	100	CC	0.03	0.92	0.118	0.228	0.02	64.75
50	MGM-PCMax	100	CC	0.05	0.923	0.121	0.225	0.02	64.7
50	MGM-PCMax	100	CC	0.08	0.923	0.123	0.24	0.022	64.6
50	MGM-PCMax	300	CC	1e-04	0.993	0.287	0.379	0.072	53.85
50	MGM-PCMax	300	CC	0.001	0.994	0.3	0.349	0.08	53.55
50	MGM-PCMax	300	CC	0.01	0.994	0.306	0.35	0.083	53.45
50	MGM-PCMax	300	CC	0.03	0.994	0.306	0.348	0.083	53.5
50	MGM-PCMax	300	CC	0.05	0.988	0.306	0.345	0.083	53.6
50	MGM-PCMax	300	CC	0.08	0.988	0.307	0.347	0.085	53.6
50	MGM-PCMax	500	CC	1e-04	0.977	0.329	0.352	0.079	54.2
50	MGM-PCMax	500	CC	0.001	0.975	0.337	0.347	0.081	54.2
50	MGM-PCMax	500	CC	0.01	0.975	0.34	0.344	0.082	54.2
50	MGM-PCMax	500	CC	0.03	0.975	0.341	0.348	0.084	54.15
50	MGM-PCMax	500	CC	0.05	0.97	0.341	0.344	0.084	54.2
50	MGM-PCMax	500	CC	0.08	0.953	0.341	0.33	0.083	54.65
50	Copula-PC	100	CD	1e-04	0.925	0.065	0.833	0.006	130.2
50	Copula-PC	100	CD	0.001	0.829	0.075	0.889	0.009	130.4
50	Copula-PC	100	CD	0.01	0.645	0.109	0.917	0.015	133.15
50	Copula-PC	100	CD	0.03	0.535	0.128	0.628	0.02	138.15

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50	Copula-PC	100	CD	0.05	0.476	0.141	0.497	0.023	144.1
50	Copula-PC	100	CD	0.08	0.41	0.163	0.399	0.028	152.3
50	Copula-PC	300	CD	1e-04	0.895	0.09	0.875	0.009	118.45
50	Copula-PC	300	CD	0.001	0.781	0.107	0.875	0.011	119.35
50	Copula-PC	300	CD	0.01	0.583	0.141	0.643	0.018	124.15
50	Copula-PC	300	CD	0.03	0.45	0.173	0.537	0.024	134.95
50	Copula-PC	300	CD	0.05	0.424	0.194	0.409	0.028	141.05
50	Copula-PC	300	CD	0.08	0.356	0.212	0.36	0.034	153.8
50	Copula-PC	500	CD	1e-04	0.857	0.094	0.75	0.014	119.75
50	Copula-PC	500	CD	0.001	0.748	0.117	0.582	0.016	121.15
50	Copula-PC	500	CD	0.01	0.525	0.146	0.553	0.027	128.9
50	Copula-PC	500	CD	0.03	0.427	0.178	0.457	0.043	138.6
50	Copula-PC	500	CD	0.05	0.372	0.192	0.32	0.05	147.9
50	Copula-PC	500	CD	0.08	0.33	0.216	0.296	0.06	159.05
50	MGM-CPCStable	100	CD	1e-04	0.95	0.08	1	0.004	129.4
50	MGM-CPCStable	100	CD	0.001	0.942	0.09	1	0.009	128.7
50	MGM-CPCStable	100	CD	0.01	0.878	0.104	1	0.011	128.3
50	MGM-CPCStable	100	CD	0.03	0.858	0.107	0.917	0.013	128.35
50	MGM-CPCStable	100	CD	0.05	0.859	0.109	0.833	0.013	128.3
50	MGM-CPCStable	100	CD	0.08	0.859	0.109	0.806	0.014	128.3
50	MGM-CPCStable	300	CD	1e-04	0.995	0.107	0.833	0.007	116.65
50	MGM-CPCStable	300	CD	0.001	0.982	0.116	0.833	0.008	116.2
50	MGM-CPCStable	300	CD	0.01	0.961	0.123	0.857	0.01	115.9
50	MGM-CPCStable	300	CD	0.03	0.961	0.124	0.875	0.01	115.75
50	MGM-CPCStable	300	CD	0.05	0.961	0.124	0.857	0.01	115.8
50	MGM-CPCStable	300	CD	0.08	0.952	0.125	0.857	0.012	115.7
50	MGM-CPCStable	500	CD	1e-04	0.992	0.102	0.833	0.009	117.9
50	MGM-CPCStable	500	CD	0.001	0.995	0.108	0.857	0.011	117.45
50	MGM-CPCStable	500	CD	0.01	0.995	0.109	0.732	0.018	117.3
50	MGM-CPCStable	500	CD	0.03	0.979	0.109	0.837	0.018	117.3
50	MGM-CPCStable	500	CD	0.05	0.974	0.11	0.837	0.02	117.25
50	MGM-CPCStable	500	CD	0.08	0.974	0.111	0.69	0.02	117.3
50	MGM-PCStable	100	CD	1e-04	0.95	0.08	0.319	0.014	130.35
50	MGM-PCStable	100	CD	0.001	0.942	0.09	0.383	0.025	129.8
50	MGM-PCStable	100	CD	0.01	0.878	0.104	0.332	0.03	130
50	MGM-PCStable	100	CD	0.03	0.858	0.107	0.319	0.033	130.25
50	MGM-PCStable	100	CD	0.05	0.859	0.109	0.327	0.035	130.15
50	MGM-PCStable	100	CD	0.08	0.859	0.109	0.328	0.035	130.15
50	MGM-PCStable	300	CD	1e-04	0.995	0.107	0.402	0.039	118.15
50	MGM-PCStable	300	CD	0.001	0.982	0.116	0.392	0.043	117.75
50	MGM-PCStable	300	CD	0.01	0.961	0.123	0.404	0.049	117.65
50	MGM-PCStable	300	CD	0.03	0.961	0.124	0.397	0.049	117.6
50	MGM-PCStable	300	CD	0.05	0.961	0.124	0.401	0.05	117.55
50	MGM-PCStable	300	CD	0.08	0.952	0.125	0.397	0.051	117.6
50	MGM-PCStable	500	CD	1e-04	0.992	0.102	0.401	0.041	119.85

50	MGM-PCStable	500	CD	0.001	0.995	0.108	0.423	0.047	119.55
50	MGM-PCStable	500	CD	0.01	0.995	0.109	0.42	0.046	119.55
50	MGM-PCStable	500	CD	0.03	0.979	0.109	0.408	0.046	119.65
50	MGM-PCStable	500	CD	0.05	0.974	0.11	0.409	0.047	119.7
50	MGM-PCStable	500	CD	0.08	0.974	0.111	0.41	0.048	119.65
50	FGES	100	CD	1	0.698	0.178	0.573	0.071	129.65
50	FGES	100	CD	1.5	0.68	0.184	0.545	0.076	130.55
50	FGES	100	CD	2	0.669	0.187	0.511	0.079	131.25
50	FGES	100	CD	3	0.651	0.192	0.508	0.086	131.75
50	FGES	100	CD	4	0.642	0.195	0.488	0.092	132.1
50	FGES	100	CD	5	0.625	0.196	0.476	0.095	133.1
50	FGES	300	CD	1	0.842	0.273	0.621	0.134	107.8
50	FGES	300	CD	1.5	0.831	0.279	0.608	0.138	107.85
50	FGES	300	CD	2	0.827	0.281	0.604	0.142	107.8
50	FGES	300	CD	3	0.814	0.29	0.602	0.15	107.7
50	FGES	300	CD	4	0.811	0.295	0.605	0.157	107.6
50	FGES	300	CD	5	0.803	0.299	0.596	0.16	107.75
50	FGES	500	CD	1	0.828	0.304	0.704	0.189	104.9
50	FGES	500	CD	1.5	0.825	0.304	0.701	0.189	105.1
50	FGES	500	CD	2	0.819	0.308	0.682	0.19	105.35
50	FGES	500	CD	3	0.803	0.311	0.679	0.194	105.8
50	FGES	500	CD	4	0.796	0.318	0.657	0.201	106.05
50	FGES	500	CD	5	0.789	0.322	0.644	0.207	106.15
50	MGM-PCMax	100	CD	1e-04	0.953	0.083	0.212	0.007	130.3
50	MGM-PCMax	100	CD	0.001	0.943	0.093	0.237	0.011	129.95
50	MGM-PCMax	100	CD	0.01	0.881	0.104	0.23	0.015	130.25
50	MGM-PCMax	100	CD	0.03	0.861	0.107	0.196	0.016	130.5
50	MGM-PCMax	100	CD	0.05	0.859	0.109	0.207	0.017	130.4
50	MGM-PCMax	100	CD	0.08	0.859	0.109	0.205	0.017	130.45
50	MGM-PCMax	300	CD	1e-04	0.995	0.11	0.279	0.02	118.5
50	MGM-PCMax	300	CD	0.001	0.982	0.117	0.254	0.023	118.3
50	MGM-PCMax	300	CD	0.01	0.961	0.123	0.291	0.027	118.05
50	MGM-PCMax	300	CD	0.03	0.961	0.124	0.294	0.028	117.95
50	MGM-PCMax	300	CD	0.05	0.961	0.124	0.303	0.029	117.85
50	MGM-PCMax	300	CD	0.08	0.952	0.125	0.304	0.029	117.85
50	MGM-PCMax	500	CD	1e-04	0.967	0.102	0.358	0.026	119.5
50	MGM-PCMax	500	CD	0.001	0.995	0.108	0.38	0.026	119.25
50	MGM-PCMax	500	CD	0.01	0.995	0.109	0.439	0.029	118.9
50	MGM-PCMax	500	CD	0.03	0.979	0.109	0.414	0.029	119
50	MGM-PCMax	500	CD	0.05	0.974	0.11	0.443	0.036	118.7
50	MGM-PCMax	500	CD	0.08	0.974	0.111	0.427	0.036	118.75
50	Copula-PC	100	DD	1e-04	0.974	0.061	0.667	0.004	59.85
50	Copula-PC	100	DD	0.001	0.905	0.078	0.8	0.008	59.45
50	Copula-PC	100	DD	0.01	0.751	0.109	0.833	0.01	60.1
50	Copula-PC	100	DD	0.03	0.683	0.14	0.645	0.017	61

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50	Copula-PC	100	DD	0.05	0.543	0.16	0.469	0.02	64.75
50	Copula-PC	100	DD	0.08	0.452	0.174	0.368	0.026	68.7
50	Copula-PC	300	DD	1e-04	0.888	0.103	1	0.001	54.75
50	Copula-PC	300	DD	0.001	0.794	0.125	0.75	0.005	55.3
50	Copula-PC	300	DD	0.01	0.59	0.179	0.393	0.013	58.7
50	Copula-PC	300	DD	0.03	0.446	0.211	0.462	0.02	65.3
50	Copula-PC	300	DD	0.05	0.407	0.242	0.354	0.026	69.45
50	Copula-PC	300	DD	0.08	0.354	0.265	0.339	0.038	75.95
50	Copula-PC	500	DD	1e-04	0.803	0.188	0.592	0.015	63.6
50	Copula-PC	500	DD	0.001	0.71	0.228	0.429	0.019	66
50	Copula-PC	500	DD	0.01	0.525	0.295	0.345	0.037	74.45
50	Copula-PC	500	DD	0.03	0.423	0.333	0.247	0.051	83.9
50	Copula-PC	500	DD	0.05	0.394	0.363	0.263	0.071	90.4
50	Copula-PC	500	DD	0.08	0.354	0.397	0.237	0.094	98.1
50	MGM-CPCStable	100	DD	1e-04	0.955	0.076	1	0.001	59.55
50	MGM-CPCStable	100	DD	0.001	0.946	0.087	1	0.005	59.15
50	MGM-CPCStable	100	DD	0.01	0.933	0.095	1	0.007	58.95
50	MGM-CPCStable	100	DD	0.03	0.933	0.102	0.889	0.012	58.7
50	MGM-CPCStable	100	DD	0.05	0.933	0.102	0.889	0.012	58.7
50	MGM-CPCStable	100	DD	0.08	0.933	0.106	0.917	0.013	58.55
50	MGM-CPCStable	300	DD	1e-04	0.988	0.141	1	0.001	53.2
50	MGM-CPCStable	300	DD	0.001	0.988	0.152	0.75	0.004	52.8
50	MGM-CPCStable	300	DD	0.01	0.975	0.159	0.875	0.009	52.6
50	MGM-CPCStable	300	DD	0.03	0.968	0.161	0.917	0.015	52.5
50	MGM-CPCStable	300	DD	0.05	0.962	0.161	0.9	0.011	52.7
50	MGM-CPCStable	300	DD	0.08	0.969	0.161	0.9	0.011	52.6
50	MGM-CPCStable	500	DD	1e-04	0.974	0.191	0.75	0.006	60.35
50	MGM-CPCStable	500	DD	0.001	0.974	0.193	0.55	0.006	60.3
50	MGM-CPCStable	500	DD	0.01	0.959	0.194	0.625	0.008	60.4
50	MGM-CPCStable	500	DD	0.03	0.953	0.194	0.625	0.009	60.4
50	MGM-CPCStable	500	DD	0.05	0.953	0.194	0.679	0.011	60.35
50	MGM-CPCStable	500	DD	0.08	0.943	0.194	0.607	0.011	60.45
50	MGM-PCStable	100	DD	1e-04	0.955	0.076	0.5	0.019	59.5
50	MGM-PCStable	100	DD	0.001	0.946	0.087	0.469	0.028	59.5
50	MGM-PCStable	100	DD	0.01	0.933	0.095	0.526	0.04	59.15
50	MGM-PCStable	100	DD	0.03	0.933	0.102	0.482	0.044	59.1
50	MGM-PCStable	100	DD	0.05	0.933	0.102	0.477	0.044	59.15
50	MGM-PCStable	100	DD	0.08	0.933	0.106	0.47	0.045	59.15
50	MGM-PCStable	300	DD	1e-04	0.988	0.141	0.412	0.048	53.65
50	MGM-PCStable	300	DD	0.001	0.988	0.152	0.391	0.054	53.35
50	MGM-PCStable	300	DD	0.01	0.975	0.159	0.36	0.063	53.3
50	MGM-PCStable	300	DD	0.03	0.968	0.161	0.353	0.063	53.4
50	MGM-PCStable	300	DD	0.05	0.962	0.161	0.345	0.065	53.5
50	MGM-PCStable	300	DD	0.08	0.969	0.161	0.347	0.065	53.4
50	MGM-PCStable	500	DD	1e-04	0.974	0.191	0.429	0.081	61.3

50	MGM-PCStable	500	DD	0.001	0.974	0.193	0.427	0.083	61.25
50	MGM-PCStable	500	DD	0.01	0.959	0.194	0.421	0.083	61.5
50	MGM-PCStable	500	DD	0.03	0.953	0.194	0.421	0.083	61.6
50	MGM-PCStable	500	DD	0.05	0.953	0.194	0.421	0.083	61.6
50	MGM-PCStable	500	DD	0.08	0.943	0.194	0.415	0.083	61.7
50	FGES	100	DD	1	0.815	0.177	0.632	0.06	58.55
50	FGES	100	DD	1.5	0.781	0.183	0.63	0.069	58.8
50	FGES	100	DD	2	0.779	0.192	0.599	0.079	58.5
50	FGES	100	DD	3	0.749	0.196	0.579	0.092	58.75
50	FGES	100	DD	4	0.728	0.199	0.586	0.103	58.95
50	FGES	100	DD	5	0.719	0.2	0.563	0.105	59.35
50	FGES	300	DD	1	0.86	0.234	0.626	0.118	50.4
50	FGES	300	DD	1.5	0.844	0.236	0.663	0.119	50.4
50	FGES	300	DD	2	0.844	0.238	0.663	0.121	50.3
50	FGES	300	DD	3	0.84	0.249	0.652	0.129	50.15
50	FGES	300	DD	4	0.833	0.251	0.647	0.131	50.25
50	FGES	300	DD	5	0.833	0.251	0.668	0.133	50.15
50	FGES	500	DD	1	0.956	0.319	0.713	0.178	53.65
50	FGES	500	DD	1.5	0.951	0.321	0.709	0.178	53.7
50	FGES	500	DD	2	0.951	0.321	0.722	0.181	53.65
50	FGES	500	DD	3	0.951	0.322	0.722	0.182	53.55
50	FGES	500	DD	4	0.945	0.321	0.731	0.19	53.65
50	FGES	500	DD	5	0.943	0.321	0.732	0.197	53.6
50	MGM-PCMax	100	DD	1e-04	0.955	0.078	0.417	0.013	59.65
50	MGM-PCMax	100	DD	0.001	0.946	0.088	0.416	0.018	59.55
50	MGM-PCMax	100	DD	0.01	0.933	0.095	0.408	0.02	59.55
50	MGM-PCMax	100	DD	0.03	0.933	0.102	0.414	0.025	59.25
50	MGM-PCMax	100	DD	0.05	0.933	0.102	0.414	0.025	59.3
50	MGM-PCMax	100	DD	0.08	0.933	0.106	0.394	0.025	59.35
50	MGM-PCMax	300	DD	1e-04	0.988	0.144	0.373	0.026	53.5
50	MGM-PCMax	300	DD	0.001	0.988	0.152	0.38	0.031	53.2
50	MGM-PCMax	300	DD	0.01	0.975	0.159	0.292	0.031	53.3
50	MGM-PCMax	300	DD	0.03	0.968	0.161	0.302	0.032	53.3
50	MGM-PCMax	300	DD	0.05	0.962	0.161	0.3	0.03	53.4
50	MGM-PCMax	300	DD	0.08	0.969	0.161	0.3	0.03	53.3
50	MGM-PCMax	500	DD	1e-04	0.974	0.193	0.362	0.035	61.4
50	MGM-PCMax	500	DD	0.001	0.964	0.193	0.353	0.037	61.5
50	MGM-PCMax	500	DD	0.01	0.949	0.194	0.342	0.037	61.75
50	MGM-PCMax	500	DD	0.03	0.943	0.194	0.342	0.037	61.85
50	MGM-PCMax	500	DD	0.05	0.943	0.194	0.342	0.037	61.85
50	MGM-PCMax	500	DD	0.08	0.943	0.194	0.342	0.037	61.85
100	Copula-PC	300	All	1e-04	0.923	0.129	0.975	0.025	476.8
100	Copula-PC	300	All	0.001	0.836	0.152	0.979	0.032	479.05
100	Copula-PC	300	All	0.01	0.611	0.188	0.857	0.04	513.65
100	Copula-PC	300	All	0.03	0.45	0.213	0.635	0.049	576.6



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100	Copula-PC	300	All	0.05	0.382	0.229	0.536	0.058	626.6
100	Copula-PC	300	All	0.08	0.322	0.248	0.448	0.068	697.95
100	Copula-PC	500	All	1e-04	0.826	0.191	0.878	0.042	485.5
100	Copula-PC	500	All	0.001	0.716	0.212	0.797	0.053	500.2
100	Copula-PC	500	All	0.01	0.507	0.25	0.533	0.07	569
100	Copula-PC	500	All	0.03	0.391	0.273	0.413	0.086	653.9
100	Copula-PC	500	All	0.05	0.338	0.288	0.347	0.096	719.05
100	Copula-PC	500	All	0.08	0.295	0.305	0.296	0.112	797.6
100	MGM-CPCStable	100	All	1e-04	0.946	0.072	1	0.006	576.45
100	MGM-CPCStable	100	All	0.001	0.913	0.089	0.956	0.01	573.1
100	MGM-CPCStable	100	All	0.01	0.886	0.101	0.942	0.015	570.85
100	MGM-CPCStable	100	All	0.03	0.876	0.105	0.93	0.018	569.7
100	MGM-CPCStable	100	All	0.05	0.868	0.107	0.913	0.02	569.5
100	MGM-CPCStable	100	All	0.08	0.87	0.109	0.911	0.021	568.65
100	MGM-CPCStable	300	All	1e-04	0.984	0.154	0.975	0.019	467.9
100	MGM-CPCStable	300	All	0.001	0.978	0.166	0.986	0.025	464.1
100	MGM-CPCStable	300	All	0.01	0.971	0.173	0.95	0.031	461.7
100	MGM-CPCStable	300	All	0.03	0.965	0.175	0.899	0.034	461.65
100	MGM-CPCStable	300	All	0.05	0.963	0.176	0.894	0.035	461.25
100	MGM-CPCStable	300	All	0.08	0.962	0.176	0.892	0.039	460.4
100	MGM-CPCStable	500	All	1e-04	0.985	0.187	0.962	0.033	469.8
100	MGM-CPCStable	500	All	0.001	0.984	0.192	0.979	0.04	467
100	MGM-CPCStable	500	All	0.01	0.98	0.194	0.964	0.044	465.8
100	MGM-CPCStable	500	All	0.03	0.975	0.196	0.944	0.048	465.2
100	MGM-CPCStable	500	All	0.05	0.972	0.196	0.933	0.05	465.2
100	MGM-CPCStable	500	All	0.08	0.968	0.197	0.924	0.053	465
100	MGM-PCStable	100	All	1e-04	0.946	0.072	0.435	0.021	579.35
100	MGM-PCStable	100	All	0.001	0.913	0.089	0.423	0.033	577.75
100	MGM-PCStable	100	All	0.01	0.886	0.101	0.425	0.046	577.05
100	MGM-PCStable	100	All	0.03	0.876	0.105	0.419	0.051	577.25
100	MGM-PCStable	100	All	0.05	0.868	0.107	0.407	0.052	578.35
100	MGM-PCStable	100	All	0.08	0.87	0.109	0.403	0.053	578.2
100	MGM-PCStable	300	All	1e-04	0.984	0.154	0.465	0.077	474.95
100	MGM-PCStable	300	All	0.001	0.978	0.166	0.452	0.087	473.85
100	MGM-PCStable	300	All	0.01	0.971	0.173	0.437	0.092	474.05
100	MGM-PCStable	300	All	0.03	0.965	0.175	0.43	0.093	474.65
100	MGM-PCStable	300	All	0.05	0.963	0.176	0.427	0.093	474.9
100	MGM-PCStable	300	All	0.08	0.962	0.176	0.427	0.094	475
100	MGM-PCStable	500	All	1e-04	0.985	0.187	0.468	0.107	480.65
100	MGM-PCStable	500	All	0.001	0.984	0.192	0.467	0.112	479.85
100	MGM-PCStable	500	All	0.01	0.98	0.194	0.464	0.114	479.9
100	MGM-PCStable	500	All	0.03	0.975	0.196	0.462	0.116	480.1
100	MGM-PCStable	500	All	0.05	0.972	0.196	0.461	0.116	480.35
100	MGM-PCStable	500	All	0.08	0.968	0.197	0.458	0.117	480.8
100	FGES	100	All	1	0.663	0.155	0.579	0.087	577.95

100	FGES	100	All	1.5	0.645	0.157	0.554	0.09	581.2
100	FGES	100	All	2	0.627	0.159	0.525	0.091	585.5
100	FGES	100	All	3	0.604	0.163	0.497	0.097	590.4
100	FGES	100	All	4	0.589	0.166	0.478	0.1	594.6
100	FGES	100	All	5	0.581	0.169	0.465	0.105	596.5
100	FGES	300	All	1	0.842	0.283	0.702	0.161	433.8
100	FGES	300	All	1.5	0.828	0.286	0.675	0.172	434.35
100	FGES	300	All	2	0.82	0.29	0.669	0.181	433.95
100	FGES	300	All	3	0.812	0.296	0.663	0.185	434.3
100	FGES	300	All	4	0.804	0.299	0.651	0.188	435.65
100	FGES	300	All	5	0.794	0.302	0.638	0.193	437
100	FGES	500	All	1	0.882	0.357	0.753	0.241	408
100	FGES	500	All	1.5	0.877	0.361	0.749	0.246	407.35
100	FGES	500	All	2	0.868	0.362	0.746	0.245	408.9
100	FGES	500	All	3	0.859	0.365	0.738	0.254	408.85
100	FGES	500	All	4	0.85	0.367	0.727	0.258	410.2
100	FGES	500	All	5	0.844	0.369	0.711	0.265	410.95
100	MGM-PCMax	100	All	1e-04	0.94	0.074	0.282	0.01	581.7
100	MGM-PCMax	100	All	0.001	0.903	0.089	0.306	0.015	580.85
100	MGM-PCMax	100	All	0.01	0.881	0.101	0.326	0.022	580.1
100	MGM-PCMax	100	All	0.03	0.875	0.105	0.312	0.023	580.65
100	MGM-PCMax	100	All	0.05	0.868	0.107	0.313	0.025	580.9
100	MGM-PCMax	100	All	0.08	0.868	0.109	0.321	0.026	580.45
100	MGM-PCMax	300	All	1e-04	0.985	0.155	0.318	0.032	480.5
100	MGM-PCMax	300	All	0.001	0.979	0.166	0.325	0.038	478.9
100	MGM-PCMax	300	All	0.01	0.971	0.173	0.336	0.042	478.35
100	MGM-PCMax	300	All	0.03	0.966	0.175	0.342	0.044	478
100	MGM-PCMax	300	All	0.05	0.962	0.176	0.339	0.044	478.3
100	MGM-PCMax	300	All	0.08	0.962	0.176	0.338	0.044	478.35
100	MGM-PCMax	500	All	1e-04	0.984	0.187	0.347	0.047	487.75
100	MGM-PCMax	500	All	0.001	0.981	0.192	0.355	0.05	486.7
100	MGM-PCMax	500	All	0.01	0.978	0.194	0.356	0.051	486.5
100	MGM-PCMax	500	All	0.03	0.974	0.196	0.356	0.052	486.65
100	MGM-PCMax	500	All	0.05	0.971	0.196	0.356	0.053	486.85
100	MGM-PCMax	500	All	0.08	0.968	0.197	0.355	0.053	487.1
100	Copula-PC	300	CC	1e-04	0.879	0.187	0.972	0.037	108.3
100	Copula-PC	300	CC	0.001	0.794	0.217	0.979	0.051	108.45
100	Copula-PC	300	CC	0.01	0.611	0.258	0.874	0.068	115.7
100	Copula-PC	300	CC	0.03	0.508	0.291	0.779	0.079	127.7
100	Copula-PC	300	CC	0.05	0.446	0.311	0.566	0.094	138.05
100	Copula-PC	300	CC	0.08	0.387	0.337	0.485	0.111	154.9
100	Copula-PC	500	CC	1e-04	0.922	0.304	0.882	0.097	107.3
100	Copula-PC	500	CC	0.001	0.878	0.337	0.899	0.119	106.65
100	Copula-PC	500	CC	0.01	0.726	0.384	0.755	0.134	115
100	Copula-PC	500	CC	0.03	0.614	0.41	0.675	0.157	127.7

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100	Copula-PC	500	CC	0.05	0.56	0.427	0.598	0.166	138.2
100	Copula-PC	500	CC	0.08	0.489	0.444	0.53	0.19	153.9
100	MGM-CPCStable	100	CC	1e-04	0.953	0.1	1	0.009	141.25
100	MGM-CPCStable	100	CC	0.001	0.937	0.128	1	0.015	139.45
100	MGM-CPCStable	100	CC	0.01	0.924	0.146	0.972	0.018	138.45
100	MGM-CPCStable	100	CC	0.03	0.899	0.149	0.904	0.021	138.65
100	MGM-CPCStable	100	CC	0.05	0.885	0.153	0.888	0.025	138.4
100	MGM-CPCStable	100	CC	0.08	0.891	0.156	0.896	0.028	137.85
100	MGM-CPCStable	300	CC	1e-04	0.982	0.204	0.972	0.026	106.45
100	MGM-CPCStable	300	CC	0.001	0.972	0.225	0.99	0.039	104.95
100	MGM-CPCStable	300	CC	0.01	0.97	0.231	0.952	0.049	104.2
100	MGM-CPCStable	300	CC	0.03	0.967	0.234	0.933	0.053	104.1
100	MGM-CPCStable	300	CC	0.05	0.962	0.235	0.904	0.057	103.9
100	MGM-CPCStable	300	CC	0.08	0.959	0.235	0.866	0.066	103.5
100	MGM-CPCStable	500	CC	1e-04	0.983	0.285	0.983	0.079	107.8
100	MGM-CPCStable	500	CC	0.001	0.985	0.295	0.996	0.094	106.15
100	MGM-CPCStable	500	CC	0.01	0.983	0.299	0.988	0.1	105.6
100	MGM-CPCStable	500	CC	0.03	0.982	0.299	0.975	0.104	105.5
100	MGM-CPCStable	500	CC	0.05	0.971	0.3	0.959	0.104	105.6
100	MGM-CPCStable	500	CC	0.08	0.969	0.301	0.947	0.108	105.55
100	MGM-PCStable	100	CC	1e-04	0.953	0.1	0.346	0.027	142.75
100	MGM-PCStable	100	CC	0.001	0.937	0.128	0.408	0.052	141.5
100	MGM-PCStable	100	CC	0.01	0.924	0.146	0.426	0.073	140.7
100	MGM-PCStable	100	CC	0.03	0.899	0.149	0.416	0.079	141.05
100	MGM-PCStable	100	CC	0.05	0.885	0.153	0.409	0.082	141.2
100	MGM-PCStable	100	CC	0.08	0.891	0.156	0.409	0.084	141
100	MGM-PCStable	300	CC	1e-04	0.982	0.204	0.473	0.115	107.7
100	MGM-PCStable	300	CC	0.001	0.972	0.225	0.435	0.133	107.35
100	MGM-PCStable	300	CC	0.01	0.97	0.231	0.428	0.137	107.45
100	MGM-PCStable	300	CC	0.03	0.967	0.234	0.423	0.14	107.5
100	MGM-PCStable	300	CC	0.05	0.962	0.235	0.419	0.14	107.65
100	MGM-PCStable	300	CC	0.08	0.959	0.235	0.414	0.14	107.75
100	MGM-PCStable	500	CC	1e-04	0.983	0.285	0.489	0.181	112.4
100	MGM-PCStable	500	CC	0.001	0.985	0.295	0.491	0.191	111.8
100	MGM-PCStable	500	CC	0.01	0.983	0.299	0.487	0.195	111.7
100	MGM-PCStable	500	CC	0.03	0.982	0.299	0.486	0.195	111.8
100	MGM-PCStable	500	CC	0.05	0.971	0.3	0.479	0.196	111.95
100	MGM-PCStable	500	CC	0.08	0.969	0.301	0.477	0.196	112.15
100	FGES	100	CC	1	0.742	0.218	0.583	0.118	137.85
100	FGES	100	CC	1.5	0.734	0.22	0.584	0.121	137.9
100	FGES	100	CC	2	0.701	0.22	0.561	0.12	139.85
100	FGES	100	CC	3	0.692	0.226	0.555	0.126	140.1
100	FGES	100	CC	4	0.685	0.227	0.54	0.128	140.9
100	FGES	100	CC	5	0.671	0.231	0.542	0.138	141.3
100	FGES	300	CC	1	0.877	0.355	0.755	0.225	93.15

100	FGES	300	CC	1.5	0.866	0.357	0.727	0.237	93.2
100	FGES	300	CC	2	0.853	0.363	0.724	0.247	93.3
100	FGES	300	CC	3	0.847	0.366	0.716	0.25	93.5
100	FGES	300	CC	4	0.838	0.371	0.699	0.25	93.9
100	FGES	300	CC	5	0.821	0.372	0.685	0.258	94.65
100	FGES	500	CC	1	0.898	0.441	0.773	0.321	90.5
100	FGES	500	CC	1.5	0.891	0.448	0.774	0.332	89.85
100	FGES	500	CC	2	0.88	0.448	0.769	0.336	90.55
100	FGES	500	CC	3	0.865	0.451	0.76	0.342	91.1
100	FGES	500	CC	4	0.852	0.453	0.743	0.345	92.15
100	FGES	500	CC	5	0.844	0.456	0.726	0.35	92.7
100	MGM-PCMax	100	CC	1e-04	0.956	0.102	0.333	0.015	143.05
100	MGM-PCMax	100	CC	0.001	0.923	0.129	0.335	0.027	142.05
100	MGM-PCMax	100	CC	0.01	0.921	0.147	0.344	0.035	141.4
100	MGM-PCMax	100	CC	0.03	0.892	0.149	0.33	0.038	141.9
100	MGM-PCMax	100	CC	0.05	0.885	0.153	0.345	0.042	141.65
100	MGM-PCMax	100	CC	0.08	0.888	0.156	0.369	0.044	141.35
100	MGM-PCMax	300	CC	1e-04	0.982	0.207	0.323	0.043	110.55
100	MGM-PCMax	300	CC	0.001	0.972	0.226	0.317	0.056	109.9
100	MGM-PCMax	300	CC	0.01	0.97	0.231	0.332	0.061	109.45
100	MGM-PCMax	300	CC	0.03	0.967	0.234	0.331	0.063	109.3
100	MGM-PCMax	300	CC	0.05	0.962	0.235	0.335	0.065	109.35
100	MGM-PCMax	300	CC	0.08	0.963	0.235	0.338	0.065	109.25
100	MGM-PCMax	500	CC	1e-04	0.983	0.285	0.272	0.067	117.25
100	MGM-PCMax	500	CC	0.001	0.979	0.295	0.283	0.073	116.65
100	MGM-PCMax	500	CC	0.01	0.977	0.299	0.286	0.075	116.75
100	MGM-PCMax	500	CC	0.03	0.975	0.299	0.289	0.075	116.7
100	MGM-PCMax	500	CC	0.05	0.971	0.3	0.288	0.076	116.75
100	MGM-PCMax	500	CC	0.08	0.969	0.301	0.287	0.077	116.8
100	Copula-PC	300	CD	1e-04	0.894	0.102	0.984	0.021	252.4
100	Copula-PC	300	CD	0.001	0.796	0.122	0.987	0.026	253.65
100	Copula-PC	300	CD	0.01	0.547	0.155	0.775	0.031	272.8
100	Copula-PC	300	CD	0.03	0.393	0.176	0.508	0.039	306.3
100	Copula-PC	300	CD	0.05	0.332	0.19	0.437	0.043	332.95
100	Copula-PC	300	CD	0.08	0.279	0.207	0.359	0.051	371.3
100	Copula-PC	500	CD	1e-04	0.769	0.118	0.912	0.022	251.05
100	Copula-PC	500	CD	0.001	0.629	0.132	0.742	0.029	258.7
100	Copula-PC	500	CD	0.01	0.396	0.163	0.448	0.042	293.9
100	Copula-PC	500	CD	0.03	0.291	0.184	0.296	0.053	339.15
100	Copula-PC	500	CD	0.05	0.251	0.2	0.232	0.06	374
100	Copula-PC	500	CD	0.08	0.223	0.218	0.209	0.071	412.4
100	MGM-CPCStable	100	CD	1e-04	0.926	0.065	1	0.006	294
100	MGM-CPCStable	100	CD	0.001	0.891	0.077	0.914	0.009	292.9
100	MGM-CPCStable	100	CD	0.01	0.856	0.089	0.892	0.013	292
100	MGM-CPCStable	100	CD	0.03	0.851	0.094	0.931	0.017	291.25

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100	MGM-CPCStable	100	CD	0.05	0.843	0.096	0.897	0.019	291.15
100	MGM-CPCStable	100	CD	0.08	0.844	0.098	0.846	0.019	290.95
100	MGM-CPCStable	300	CD	1e-04	0.992	0.129	0.993	0.016	247.55
100	MGM-CPCStable	300	CD	0.001	0.987	0.136	0.996	0.021	246.25
100	MGM-CPCStable	300	CD	0.01	0.968	0.142	0.909	0.025	245.5
100	MGM-CPCStable	300	CD	0.03	0.962	0.144	0.846	0.025	245.7
100	MGM-CPCStable	300	CD	0.05	0.963	0.145	0.874	0.026	245.45
100	MGM-CPCStable	300	CD	0.08	0.963	0.145	0.896	0.027	245.3
100	MGM-CPCStable	500	CD	1e-04	0.987	0.117	0.956	0.019	244.3
100	MGM-CPCStable	500	CD	0.001	0.981	0.121	0.983	0.021	243.5
100	MGM-CPCStable	500	CD	0.01	0.978	0.123	0.948	0.024	243.25
100	MGM-CPCStable	500	CD	0.03	0.969	0.125	0.876	0.027	243.1
100	MGM-CPCStable	500	CD	0.05	0.969	0.125	0.871	0.028	243.05
100	MGM-CPCStable	500	CD	0.08	0.967	0.125	0.917	0.031	242.85
100	MGM-PCStable	100	CD	1e-04	0.926	0.065	0.458	0.02	295
100	MGM-PCStable	100	CD	0.001	0.891	0.077	0.422	0.03	294.9
100	MGM-PCStable	100	CD	0.01	0.856	0.089	0.409	0.041	294.9
100	MGM-PCStable	100	CD	0.03	0.851	0.094	0.405	0.047	294.85
100	MGM-PCStable	100	CD	0.05	0.843	0.096	0.388	0.047	295.5
100	MGM-PCStable	100	CD	0.08	0.844	0.098	0.383	0.048	295.5
100	MGM-PCStable	300	CD	1e-04	0.992	0.129	0.382	0.057	252
100	MGM-PCStable	300	CD	0.001	0.987	0.136	0.411	0.065	251.5
100	MGM-PCStable	300	CD	0.01	0.968	0.142	0.4	0.068	251.9
100	MGM-PCStable	300	CD	0.03	0.962	0.144	0.4	0.07	252.05
100	MGM-PCStable	300	CD	0.05	0.963	0.145	0.399	0.07	252.1
100	MGM-PCStable	300	CD	0.08	0.963	0.145	0.398	0.07	252.1
100	MGM-PCStable	500	CD	1e-04	0.987	0.117	0.407	0.062	248.75
100	MGM-PCStable	500	CD	0.001	0.981	0.121	0.401	0.067	248.45
100	MGM-PCStable	500	CD	0.01	0.978	0.123	0.403	0.069	248.45
100	MGM-PCStable	500	CD	0.03	0.969	0.125	0.399	0.07	248.6
100	MGM-PCStable	500	CD	0.05	0.969	0.125	0.399	0.07	248.6
100	MGM-PCStable	500	CD	0.08	0.967	0.125	0.401	0.072	248.75
100	FGES	100	CD	1	0.633	0.142	0.562	0.082	297.05
100	FGES	100	CD	1.5	0.61	0.145	0.528	0.085	299.2
100	FGES	100	CD	2	0.599	0.147	0.496	0.087	300.65
100	FGES	100	CD	3	0.578	0.152	0.477	0.093	303.1
100	FGES	100	CD	4	0.56	0.155	0.462	0.097	305.5
100	FGES	100	CD	5	0.553	0.159	0.445	0.102	306.5
100	FGES	300	CD	1	0.802	0.254	0.638	0.135	235.6
100	FGES	300	CD	1.5	0.783	0.257	0.61	0.147	236.4
100	FGES	300	CD	2	0.781	0.259	0.606	0.155	235.95
100	FGES	300	CD	3	0.772	0.265	0.605	0.16	235.8
100	FGES	300	CD	4	0.764	0.269	0.592	0.163	236.7
100	FGES	300	CD	5	0.753	0.272	0.577	0.168	237.6
100	FGES	500	CD	1	0.839	0.317	0.719	0.21	215.05

100	FGES	500	CD	1.5	0.833	0.319	0.709	0.211	215.65
100	FGES	500	CD	2	0.822	0.32	0.699	0.209	216.8
100	FGES	500	CD	3	0.816	0.325	0.695	0.219	216.2
100	FGES	500	CD	4	0.808	0.327	0.687	0.225	216.45
100	FGES	500	CD	5	0.799	0.328	0.67	0.231	217
100	MGM-PCMax	100	CD	1e-04	0.928	0.067	0.253	0.009	296.25
100	MGM-PCMax	100	CD	0.001	0.886	0.079	0.236	0.013	296.35
100	MGM-PCMax	100	CD	0.01	0.851	0.09	0.33	0.021	295.9
100	MGM-PCMax	100	CD	0.03	0.855	0.094	0.323	0.022	295.95
100	MGM-PCMax	100	CD	0.05	0.843	0.096	0.318	0.023	296.1
100	MGM-PCMax	100	CD	0.08	0.842	0.098	0.327	0.025	295.9
100	MGM-PCMax	300	CD	1e-04	0.994	0.129	0.284	0.023	253.4
100	MGM-PCMax	300	CD	0.001	0.989	0.136	0.316	0.03	252.7
100	MGM-PCMax	300	CD	0.01	0.968	0.142	0.315	0.031	253.15
100	MGM-PCMax	300	CD	0.03	0.965	0.144	0.332	0.033	252.75
100	MGM-PCMax	300	CD	0.05	0.96	0.145	0.329	0.034	252.95
100	MGM-PCMax	300	CD	0.08	0.961	0.145	0.328	0.034	252.95
100	MGM-PCMax	500	CD	1e-04	0.987	0.117	0.32	0.029	249.7
100	MGM-PCMax	500	CD	0.001	0.979	0.121	0.319	0.032	249.5
100	MGM-PCMax	500	CD	0.01	0.978	0.123	0.316	0.032	249.45
100	MGM-PCMax	500	CD	0.03	0.969	0.125	0.322	0.034	249.45
100	MGM-PCMax	500	CD	0.05	0.969	0.125	0.323	0.035	249.4
100	MGM-PCMax	500	CD	0.08	0.968	0.125	0.32	0.034	249.6
100	Copula-PC	300	DD	1e-04	0.933	0.129	1	0.021	116.1
100	Copula-PC	300	DD	0.001	0.842	0.154	1	0.025	116.95
100	Copula-PC	300	DD	0.01	0.625	0.191	0.775	0.032	125.15
100	Copula-PC	300	DD	0.03	0.45	0.218	0.487	0.041	142.6
100	Copula-PC	300	DD	0.05	0.381	0.235	0.453	0.055	155.6
100	Copula-PC	300	DD	0.08	0.327	0.251	0.401	0.063	171.75
100	Copula-PC	500	DD	1e-04	0.745	0.22	0.631	0.024	127.15
100	Copula-PC	500	DD	0.001	0.633	0.246	0.504	0.033	134.85
100	Copula-PC	500	DD	0.01	0.452	0.286	0.345	0.059	160.1
100	Copula-PC	500	DD	0.03	0.353	0.31	0.298	0.081	187.05
100	Copula-PC	500	DD	0.05	0.308	0.324	0.281	0.097	206.85
100	Copula-PC	500	DD	0.08	0.266	0.338	0.233	0.114	231.3
100	MGM-CPCStable	100	DD	1e-04	0.932	0.062	1	0.005	141.2
100	MGM-CPCStable	100	DD	0.001	0.895	0.074	1	0.008	140.75
100	MGM-CPCStable	100	DD	0.01	0.855	0.081	1	0.014	140.4
100	MGM-CPCStable	100	DD	0.03	0.867	0.085	0.923	0.019	139.8
100	MGM-CPCStable	100	DD	0.05	0.854	0.086	0.962	0.018	139.95
100	MGM-CPCStable	100	DD	0.08	0.849	0.088	0.967	0.019	139.85
100	MGM-CPCStable	300	DD	1e-04	0.987	0.162	0.958	0.016	113.9
100	MGM-CPCStable	300	DD	0.001	0.989	0.175	0.964	0.02	112.9
100	MGM-CPCStable	300	DD	0.01	0.986	0.185	0.886	0.027	112
100	MGM-CPCStable	300	DD	0.03	0.975	0.186	0.875	0.033	111.85

# EVALUATION OF CAUSAL STRUCTURE LEARNING

100	MGM-CPCStable	300	DD	0.05	0.972	0.187	0.896	0.033	111.9
100	MGM-CPCStable	300	DD	0.08	0.968	0.187	0.944	0.038	111.6
100	MGM-CPCStable	500	DD	1e-04	0.987	0.227	0.864	0.016	117.7
100	MGM-CPCStable	500	DD	0.001	0.987	0.227	0.885	0.02	117.35
100	MGM-CPCStable	500	DD	0.01	0.98	0.231	0.931	0.026	116.95
100	MGM-CPCStable	500	DD	0.03	0.976	0.233	0.881	0.033	116.6
100	MGM-CPCStable	500	DD	0.05	0.973	0.233	0.897	0.036	116.55
100	MGM-CPCStable	500	DD	0.08	0.97	0.233	0.872	0.038	116.6
100	MGM-PCStable	100	DD	1e-04	0.932	0.062	0.527	0.016	141.6
100	MGM-PCStable	100	DD	0.001	0.895	0.074	0.406	0.024	141.35
100	MGM-PCStable	100	DD	0.01	0.855	0.081	0.419	0.031	141.45
100	MGM-PCStable	100	DD	0.03	0.867	0.085	0.408	0.034	141.35
100	MGM-PCStable	100	DD	0.05	0.854	0.086	0.403	0.034	141.65
100	MGM-PCStable	100	DD	0.08	0.849	0.088	0.399	0.035	141.7
100	MGM-PCStable	300	DD	1e-04	0.987	0.162	0.494	0.081	115.25
100	MGM-PCStable	300	DD	0.001	0.989	0.175	0.468	0.089	115
100	MGM-PCStable	300	DD	0.01	0.986	0.185	0.455	0.097	114.7
100	MGM-PCStable	300	DD	0.03	0.975	0.186	0.436	0.097	115.1
100	MGM-PCStable	300	DD	0.05	0.972	0.187	0.435	0.098	115.15
100	MGM-PCStable	300	DD	0.08	0.968	0.187	0.436	0.1	115.15
100	MGM-PCStable	500	DD	1e-04	0.987	0.227	0.466	0.12	119.5
100	MGM-PCStable	500	DD	0.001	0.987	0.227	0.463	0.12	119.6
100	MGM-PCStable	500	DD	0.01	0.98	0.231	0.461	0.122	119.75
100	MGM-PCStable	500	DD	0.03	0.976	0.233	0.461	0.124	119.7
100	MGM-PCStable	500	DD	0.05	0.973	0.233	0.46	0.124	119.8
100	MGM-PCStable	500	DD	0.08	0.97	0.233	0.459	0.124	119.9
100	FGES	100	DD	1	0.643	0.122	0.622	0.069	143.05
100	FGES	100	DD	1.5	0.621	0.123	0.577	0.071	144.1
100	FGES	100	DD	2	0.603	0.124	0.548	0.075	145
100	FGES	100	DD	3	0.567	0.128	0.502	0.077	147.2
100	FGES	100	DD	4	0.555	0.13	0.475	0.08	148.2
100	FGES	100	DD	5	0.552	0.132	0.46	0.08	148.7
100	FGES	300	DD	1	0.886	0.277	0.74	0.152	105.05
100	FGES	300	DD	1.5	0.881	0.282	0.729	0.162	104.75
100	FGES	300	DD	2	0.87	0.287	0.738	0.173	104.7
100	FGES	300	DD	3	0.864	0.295	0.718	0.178	105
100	FGES	300	DD	4	0.86	0.297	0.715	0.182	105.05
100	FGES	300	DD	5	0.861	0.3	0.714	0.187	104.75
100	FGES	500	DD	1	0.928	0.352	0.764	0.222	102.45
100	FGES	500	DD	1.5	0.927	0.356	0.772	0.228	101.85
100	FGES	500	DD	2	0.927	0.358	0.779	0.225	101.55
100	FGES	500	DD	3	0.924	0.36	0.775	0.233	101.55
100	FGES	500	DD	4	0.922	0.361	0.768	0.238	101.6
100	FGES	500	DD	5	0.922	0.363	0.755	0.245	101.25
100	MGM-PCMax	100	DD	1e-04	0.915	0.063	0.213	0.006	142.4

100	MGM-PCMax	100	DD	0.001	0.88	0.074	0.269	0.009	142.45
100	MGM-PCMax	100	DD	0.01	0.85	0.082	0.243	0.011	142.8
100	MGM-PCMax	100	DD	0.03	0.86	0.085	0.235	0.012	142.8
100	MGM-PCMax	100	DD	0.05	0.854	0.086	0.21	0.011	143.15
100	MGM-PCMax	100	DD	0.08	0.849	0.088	0.201	0.011	143.2
100	MGM-PCMax	300	DD	1e-04	0.987	0.163	0.361	0.038	116.55
100	MGM-PCMax	300	DD	0.001	0.989	0.175	0.347	0.039	116.3
100	MGM-PCMax	300	DD	0.01	0.986	0.185	0.377	0.047	115.75
100	MGM-PCMax	300	DD	0.03	0.975	0.186	0.374	0.048	115.95
100	MGM-PCMax	300	DD	0.05	0.972	0.187	0.374	0.049	116
100	MGM-PCMax	300	DD	0.08	0.968	0.187	0.369	0.048	116.15
100	MGM-PCMax	500	DD	1e-04	0.984	0.227	0.377	0.06	120.8
100	MGM-PCMax	500	DD	0.001	0.984	0.227	0.388	0.062	120.55
100	MGM-PCMax	500	DD	0.01	0.98	0.231	0.399	0.064	120.3
100	MGM-PCMax	500	DD	0.03	0.976	0.233	0.386	0.065	120.5
100	MGM-PCMax	500	DD	0.05	0.97	0.233	0.383	0.065	120.7
100	MGM-PCMax	500	DD	0.08	0.968	0.233	0.386	0.066	120.7