

GROUP NUMBER: 16

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TEST 1: The goal is to assess the accuracy of the CM and CS estimations for the top-K heavy hitters for varying K and fixed D=9, W=100, T=100000, and port 8886. You must fill in the following table (3 runs per configuration).

k	Average Relative Error of frequency estimations for top-K heavy hitters with CM			Average Relative Error of frequency estimations for top-K heavy hitters with CS		
	RUN 1	RUN 2	RUN 3	RUN 1	RUN 2	RUN 3
10	0.023163156389634	0.023263396927267	0.022630614332480	9.722375909379846E-04	5.866234876405910E-04	6.059670746020445E-04
20	86.488416753362301	92.176532391068648	103.729449269228965	2.456910353827989	2.291956561205413	2.000216936359258
50	323.720647387985309	339.433684375673806	285.455985011607083	26.240051753891386	27.647095613778507	24.114957430880366
100	355.448256604463040	205.232913369779936	255.984558420773055	28.551542512037297	19.047296551420068	21.520834445647822

TEST 2: The goal is to assess the accuracy of the CM and CS estimations for the top-K heavy hitters for varying columns W and fixed D=9, K=10, T=100000, and port 8886. You must fill in the following table (3 runs per configuration).

W	Average Relative Error of frequency estimations for top-K heavy hitters with CM			Average Relative Error of frequency estimations for top-K heavy hitters with CS		
	RUN 1	RUN 2	RUN 3	RUN 1	RUN 2	RUN 3
5	0.60379679866189	0.599603647597777	0.702316967243068	0.597954372365110	0.010742435574169	0.498542176893445
10	0.247043746501036	0.249492257126334	0.251010688903194	5.796791295718981E-03	0.202700945650901	4.560198978713395E-03
20	0.121784094407845	0.121380519221282	0.123464314846835	2.526060401802788E-03	1.746325321984000E-03	1.746325321984000E-03
50	0.047012602418682	0.046874818679810	0.048002608714499	7.672186150532655E-04	8.891626882004065E-04	9.026186981261857E-04