

FAILED QUERIES

Baseline unpartitioned

benchmark query mean_duration std_dev

Dictionary block unpartitioned

benchmark query mean_duration std_dev

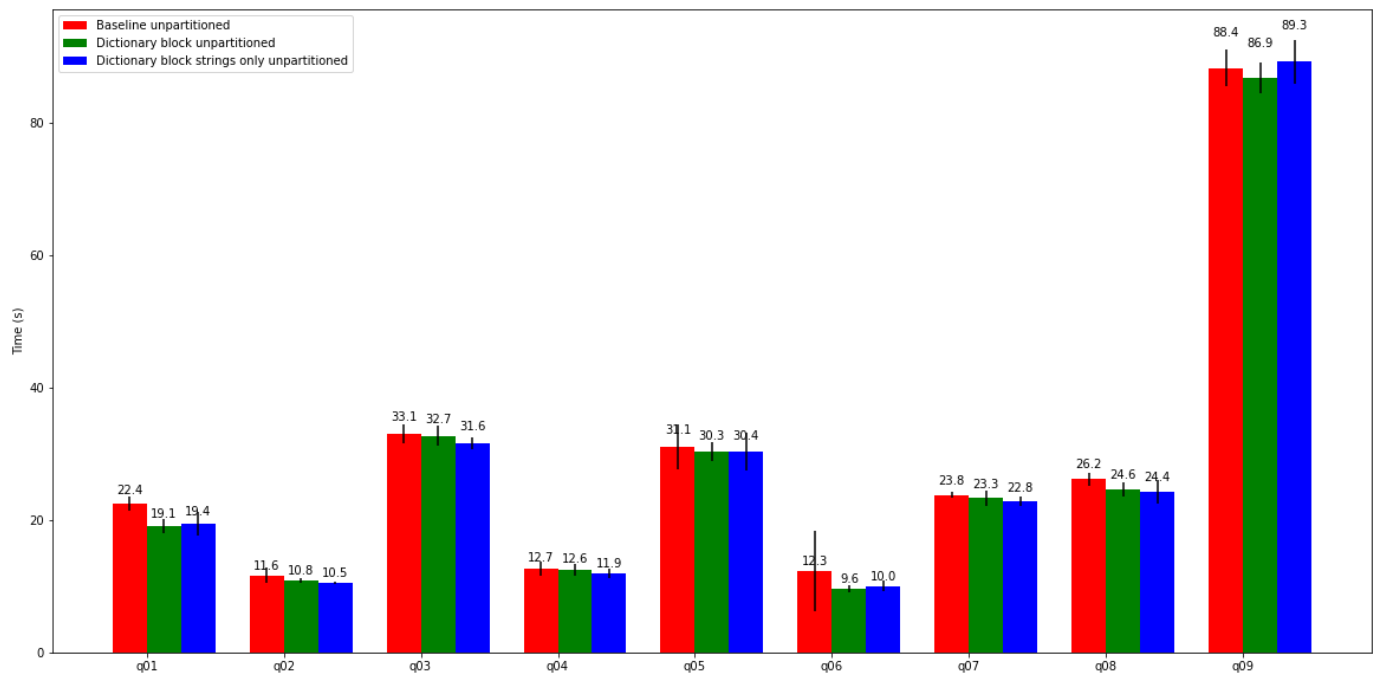
Dictionary block strings only unpartitioned

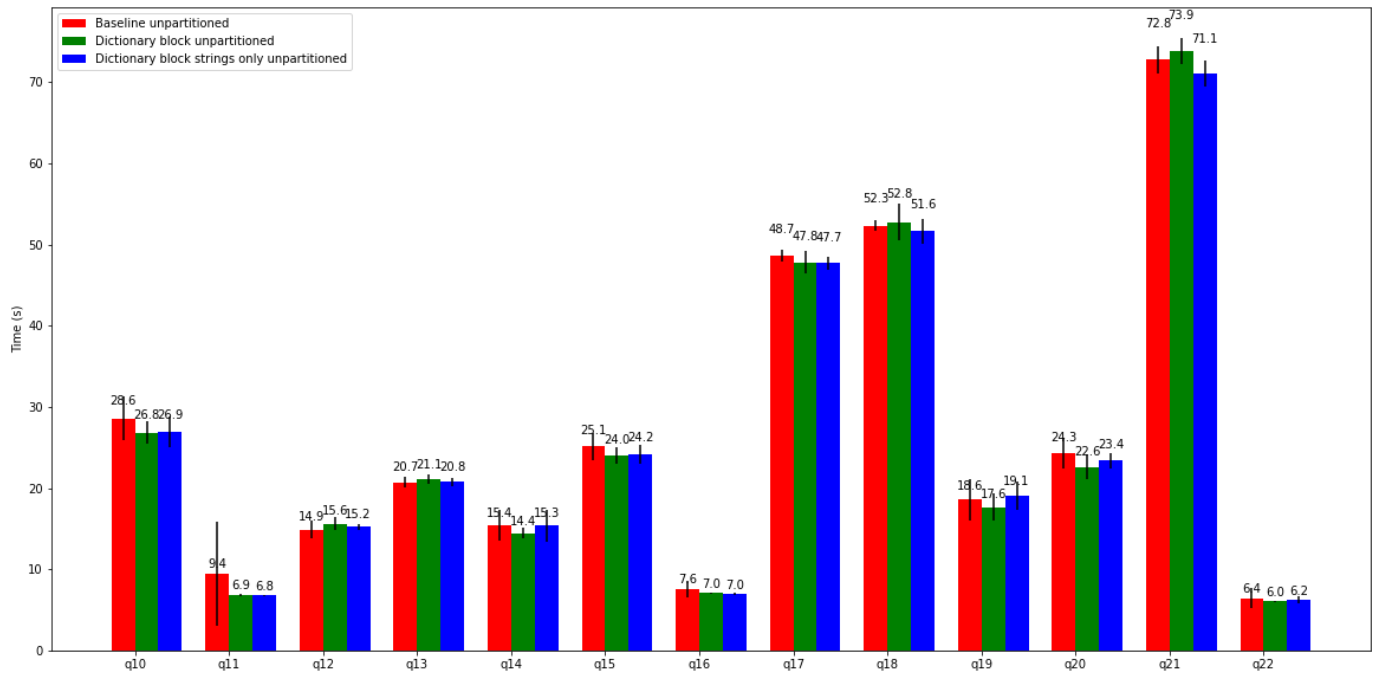
benchmark query mean_duration std_dev

SUMMARY

	label	TPCH wall time	TPC-DS wall time	TPCH CPU time	TPC-DS CPU time	TPCH physicalInputDataSize	physicalI
0	Baseline unpartitioned	606.345000	1314.589833	48399.700000	151512.039833	1.693 TiB	
1	Dictionary block unpartitioned	586.443333	1315.349667	47613.000000	152056.488500	1.693 TiB	
2	Dictionary block strings only unpartitioned	585.660500	1326.753500	46543.000000	150464.196667	1.693 TiB	

TPC-H Comparison (DURATION)

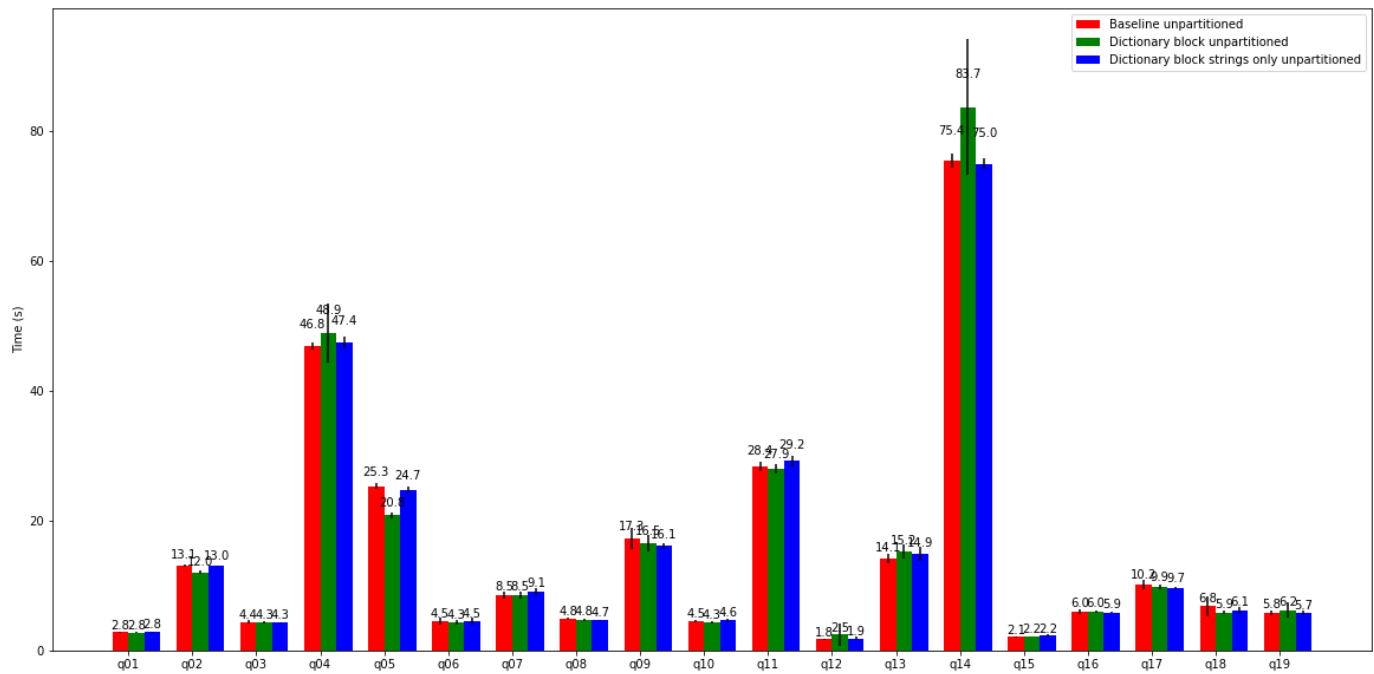


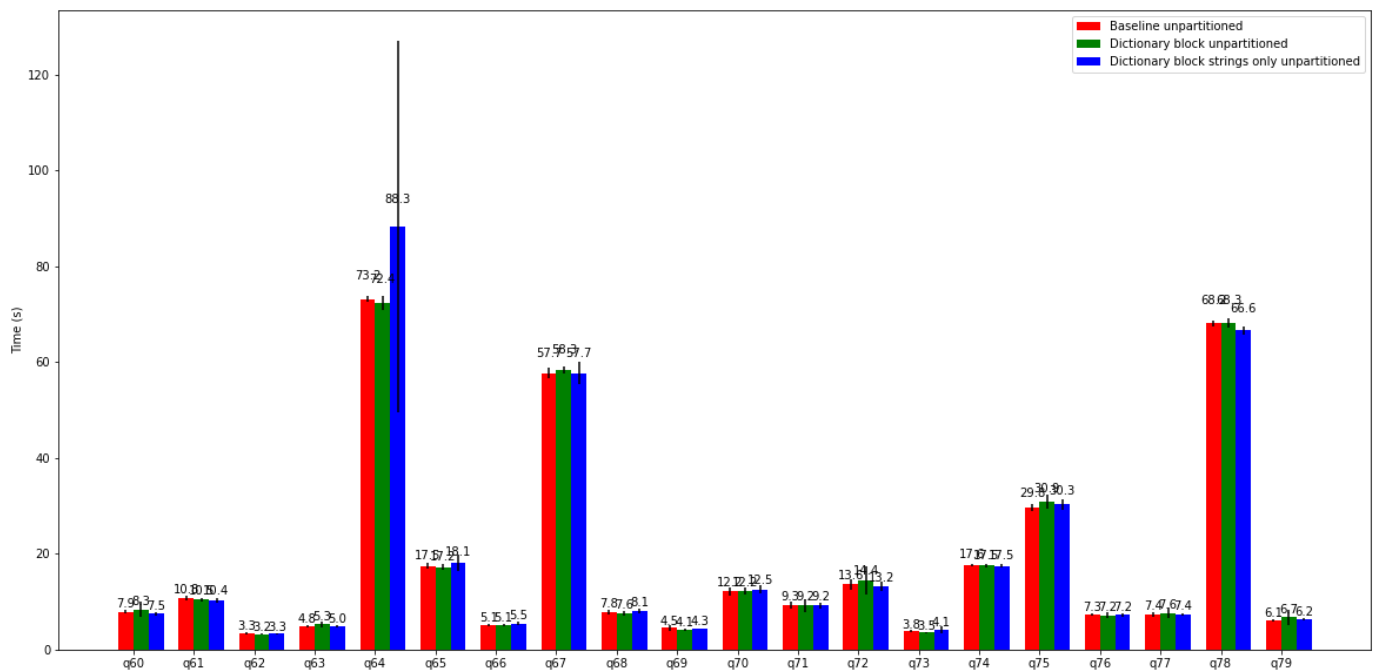
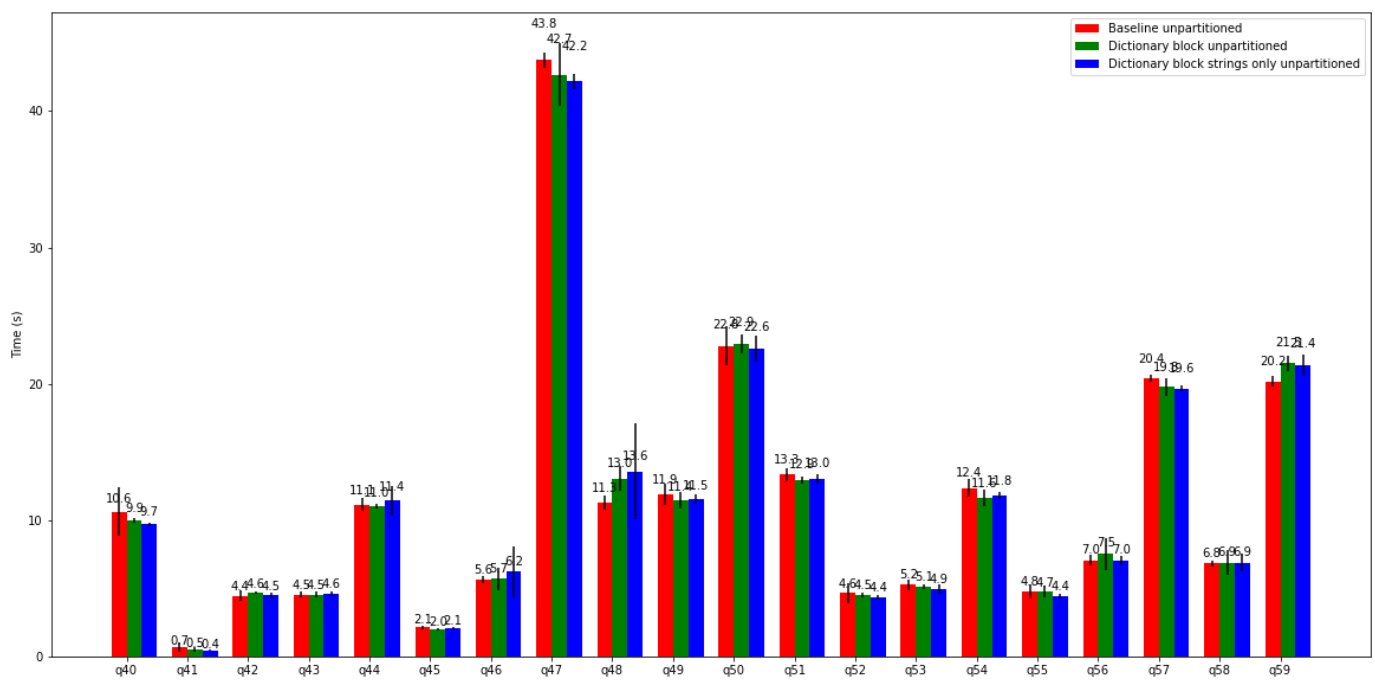
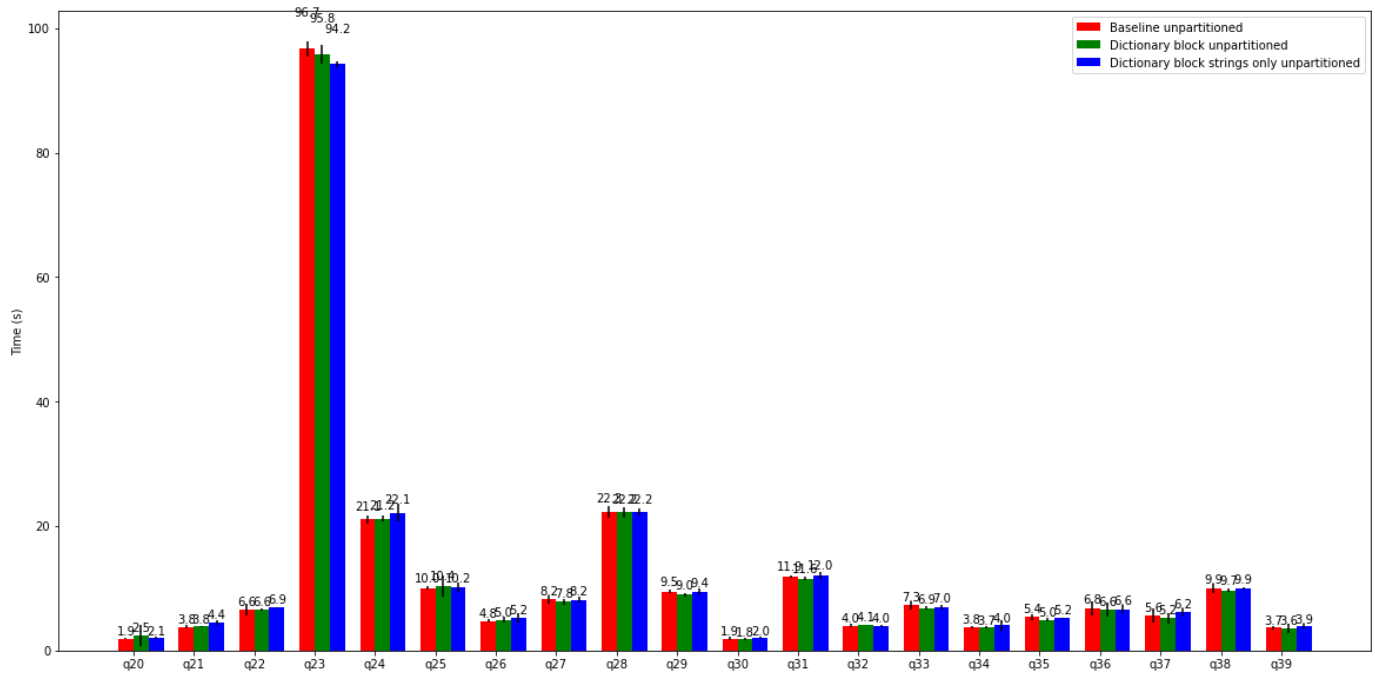


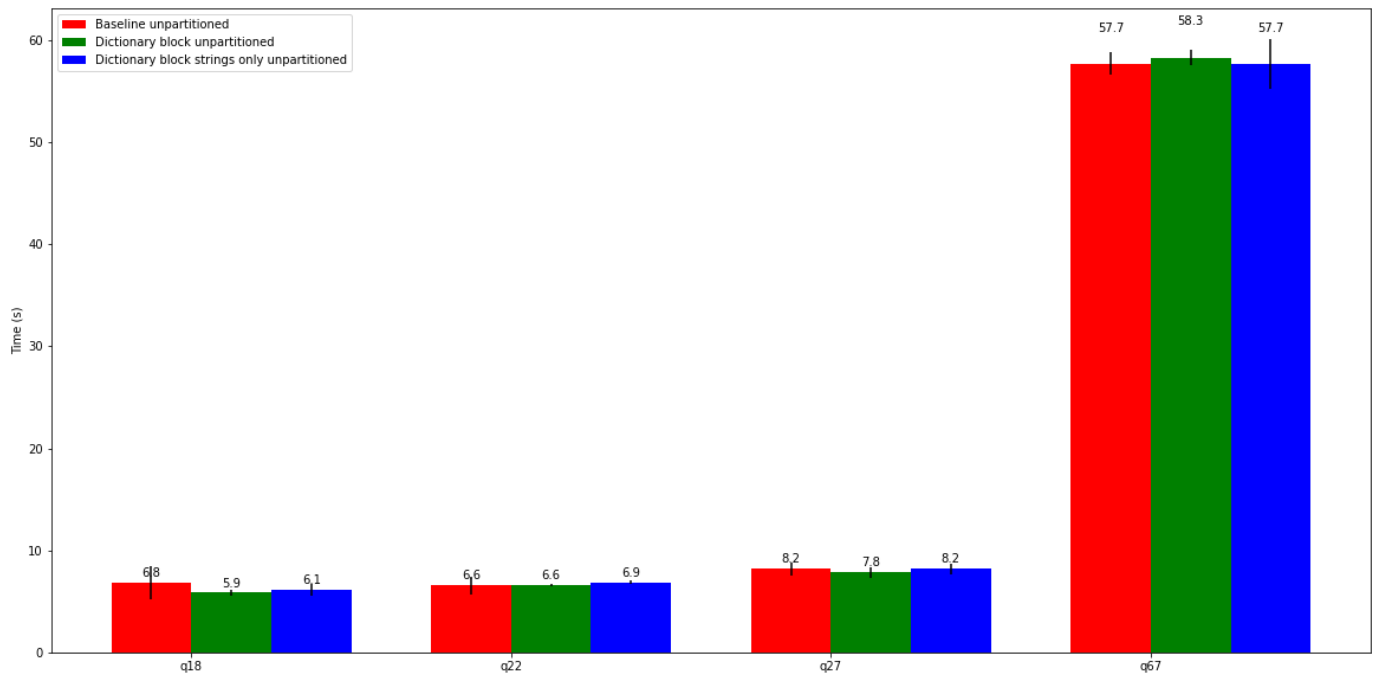
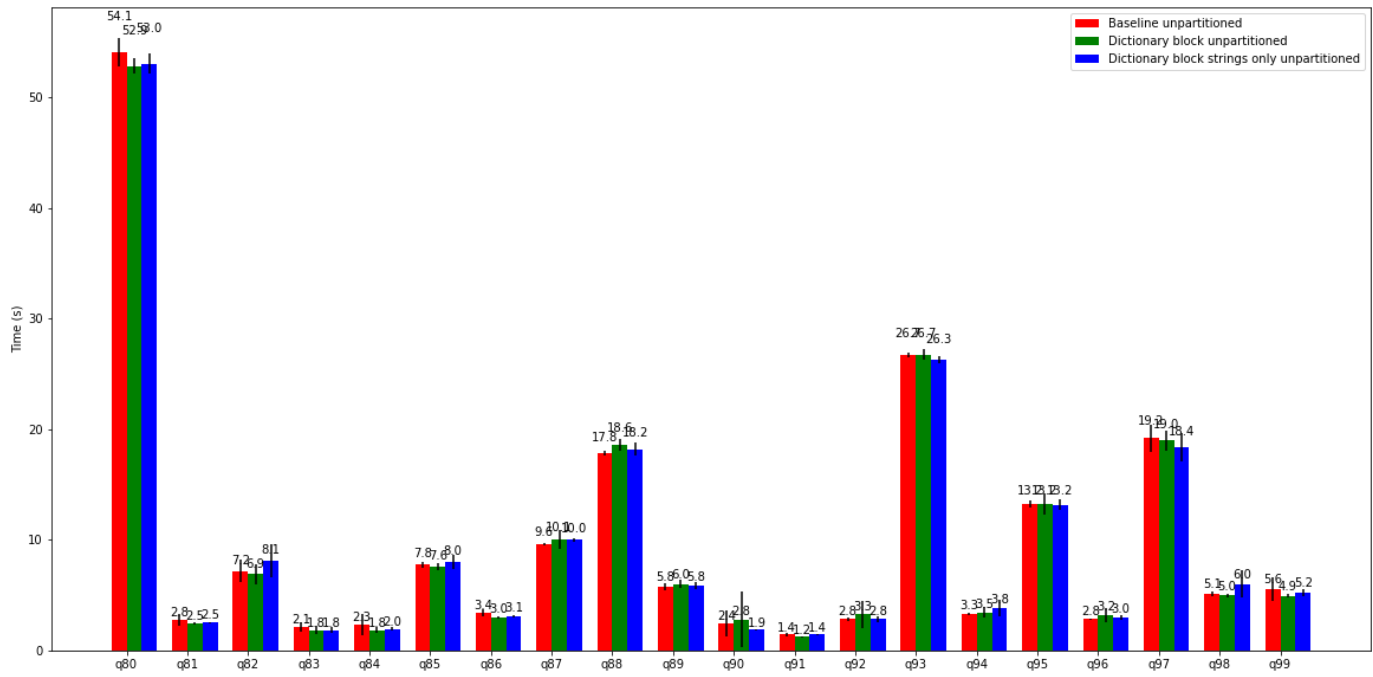
query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
0 presto/tpch: q01	22.443000	1.085437	19.073500	1.098350	19.411000	1.776381
1 presto/tpch: q02	11.622000	1.149378	10.808167	0.373716	10.546667	0.182686
2 presto/tpch: q03	33.072667	1.463743	32.735667	1.481501	31.580833	0.935444
3 presto/tpch: q04	12.675167	1.061463	12.551333	0.895220	11.928833	0.703492
4 presto/tpch: q05	31.091833	3.384410	30.322500	1.419400	30.362333	2.793339
5 presto/tpch: q06	12.300500	6.010237	9.595667	0.561614	10.047167	0.764973
6 presto/tpch: q07	23.783833	0.474438	23.305167	1.198297	22.799167	0.695307
7 presto/tpch: q08	26.185500	1.020466	24.628167	1.084657	24.359000	1.790581
8 presto/tpch: q09	88.386167	2.750904	86.890000	2.309184	89.314667	3.269141
9 presto/tpch: q10	28.572667	2.722217	26.845333	1.437597	26.908167	1.883025
10 presto/tpch: q11	9.413000	6.413984	6.852667	0.155109	6.794833	0.056066
11 presto/tpch: q12	14.901500	1.100649	15.606500	0.792794	15.240000	0.373451
12 presto/tpch: q13	20.731833	0.688837	21.088833	0.561943	20.773167	0.526541
13 presto/tpch: q14	15.395333	1.844845	14.435833	0.691606	15.348167	1.939693
14 presto/tpch: q15	25.126500	1.635038	24.008500	1.053847	24.202000	1.138518
15 presto/tpch: q16	7.574333	0.989728	7.044333	0.120765	6.953000	0.119802

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
16	presto/tpch: q17	48.674000	0.736087	47.805167	1.393539	47.720667	0.822005
17	presto/tpch: q18	52.329667	0.676016	52.776167	2.239067	51.646667	1.575636
18	presto/tpch: q19	18.551500	2.525250	17.611000	1.668444	19.068000	1.754518
19	presto/tpch: q20	24.314333	1.873834	22.571167	1.534411	23.357333	0.952299
20	presto/tpch: q21	72.760667	1.675846	73.856500	1.575442	71.071000	1.646245
21	presto/tpch: q22	6.439000	1.182411	6.031167	0.099339	6.227833	0.496800

TPC-DS Comparison (DURATION)







query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
0 presto/tpcds: q01	2.806000	0.128448	2.776333	0.161655	2.827833	0.106159
1 presto/tpcds: q02	13.092167	0.192191	12.046333	0.239655	12.985333	0.127635
2 presto/tpcds: q03	4.360167	0.302176	4.315833	0.154849	4.314000	0.096565
3 presto/tpcds: q04	46.846500	0.536439	48.893833	4.593123	47.404167	0.973413
4 presto/tpcds: q05	25.265167	0.472891	20.792000	0.369898	24.698167	0.466596
5 presto/tpcds: q06	4.475167	0.561198	4.272667	0.336600	4.530833	0.558627
6 presto/tpcds: q07	8.498000	0.507264	8.479667	0.526753	9.051000	0.576372

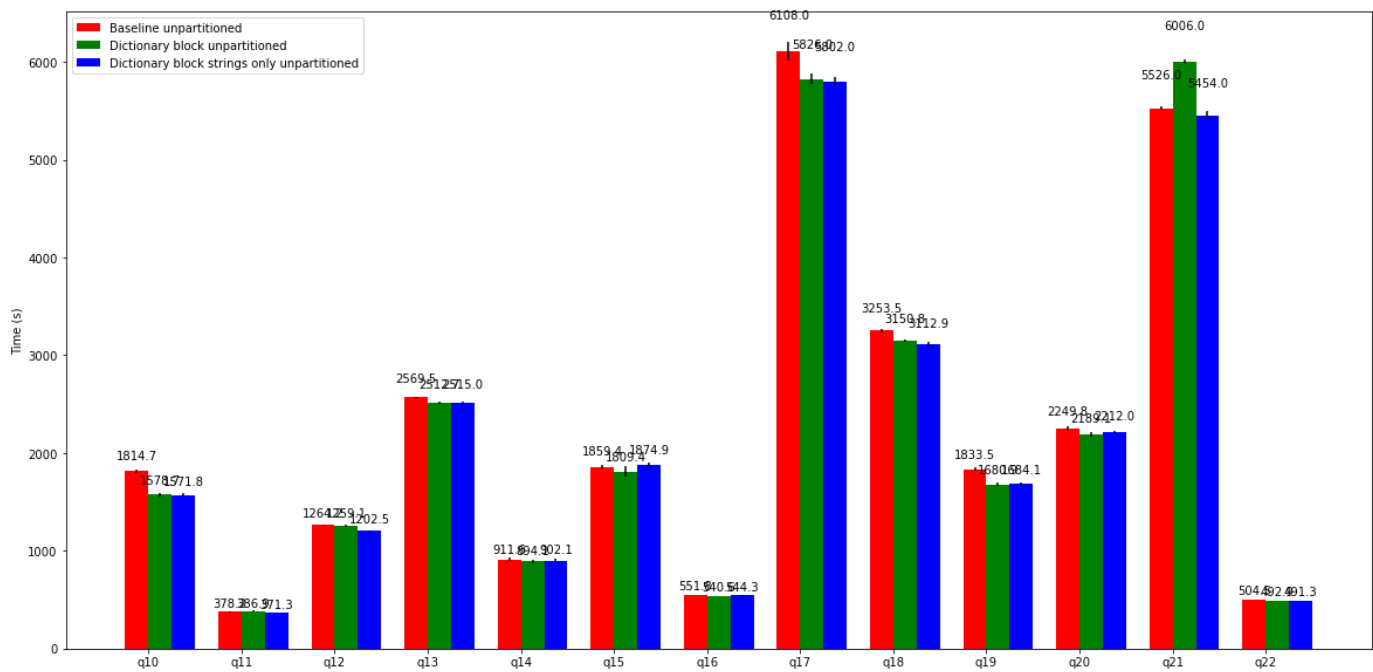
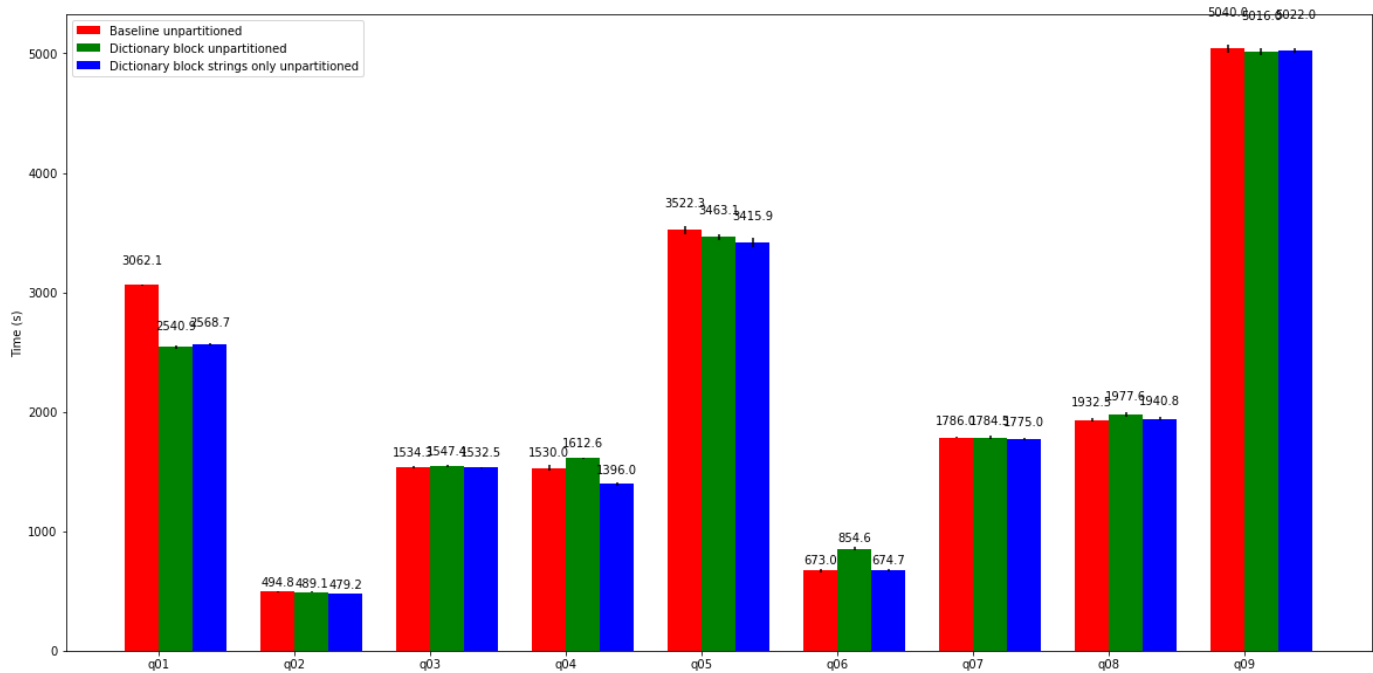
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
7	presto/tpcds: q08	4.816833	0.170031	4.760000	0.164855	4.653000	0.103042
8	presto/tpcds: q09	17.254167	1.616231	16.520333	1.283645	16.114000	0.441581
9	presto/tpcds: q10	4.470333	0.218597	4.344833	0.199432	4.601500	0.241395
10	presto/tpcds: q11	28.364667	0.686072	27.908500	0.732451	29.167333	0.776170
11	presto/tpcds: q12	1.753333	0.100245	2.452167	1.743858	1.871833	0.185045
12	presto/tpcds: q13	14.111500	0.747472	15.189000	1.116865	14.934000	1.082480
13	presto/tpcds: q14	75.382000	1.114239	83.665000	10.484589	74.954667	0.872591
14	presto/tpcds: q15	2.107333	0.112561	2.165833	0.055022	2.241500	0.285904
15	presto/tpcds: q16	5.997333	0.419787	5.966333	0.207250	5.867833	0.168335
16	presto/tpcds: q17	10.155833	0.721337	9.851500	0.358827	9.657833	0.196556
17	presto/tpcds: q18	6.798500	1.599251	5.852000	0.251752	6.128833	0.565004
18	presto/tpcds: q19	5.801167	0.328776	6.228500	1.191173	5.744833	0.395035
19	presto/tpcds: q20	1.929333	0.109370	2.472167	1.693942	2.061333	0.200774
20	presto/tpcds: q21	3.804500	0.310322	3.840333	0.142464	4.449333	0.368808
21	presto/tpcds: q22	6.577667	0.852368	6.592000	0.168227	6.885000	0.160245
22	presto/tpcds: q23	96.650333	1.195968	95.785667	1.452895	94.247667	0.481770
23	presto/tpcds: q24	21.122000	0.658551	21.206333	0.545903	22.091333	1.420240
24	presto/tpcds: q25	10.049833	0.310084	10.420000	1.693833	10.157333	0.817839
25	presto/tpcds: q26	4.780500	0.208775	4.959167	0.426873	5.221333	0.695888
26	presto/tpcds: q27	8.184500	0.640218	7.820167	0.519859	8.178000	0.520033
27	presto/tpcds: q28	22.280333	0.888552	22.187000	0.882027	22.206667	0.551932
28	presto/tpcds: q29	9.480167	0.280957	8.953833	0.275101	9.449167	0.462658
29	presto/tpcds: q30	1.937833	0.323084	1.823333	0.209086	2.009000	0.236984
30	presto/tpcds: q31	11.917333	0.177456	11.577500	0.282920	12.030333	0.621110

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
31	presto/tpcds:q32	4.021500	0.207762	4.106000	0.055760	4.005667	0.182510
32	presto/tpcds:q33	7.257667	0.631853	6.853333	0.252586	6.969667	0.313527
33	presto/tpcds:q34	3.817333	0.198825	3.712333	0.188293	4.038667	0.826305
34	presto/tpcds:q35	5.372000	0.447519	4.963667	0.249727	5.187333	0.099556
35	presto/tpcds:q36	6.810833	1.138074	6.594000	1.168929	6.620500	0.694729
36	presto/tpcds:q37	5.585000	1.153418	5.210000	0.865961	6.203833	0.646567
37	presto/tpcds:q38	9.935500	0.800652	9.678167	0.289913	9.927500	0.212730
38	presto/tpcds:q39	3.687000	0.283562	3.589667	0.763710	3.893500	0.327645
39	presto/tpcds:q40	10.614667	1.749281	9.947000	0.164330	9.680500	0.150339
40	presto/tpcds:q41	0.681000	0.346774	0.464500	0.177544	0.432500	0.030775
41	presto/tpcds:q42	4.446500	0.368879	4.636000	0.090379	4.478333	0.237436
42	presto/tpcds:q43	4.534833	0.220147	4.524167	0.215776	4.590333	0.177163
43	presto/tpcds:q44	11.145833	0.512271	11.014000	0.186796	11.428333	1.084748
44	presto/tpcds:q45	2.122000	0.141856	1.976167	0.096450	2.074333	0.101269
45	presto/tpcds:q46	5.618167	0.271527	5.710833	0.830071	6.210167	1.889725
46	presto/tpcds:q47	43.752333	0.571000	42.675167	2.304890	42.174167	0.577857
47	presto/tpcds:q48	11.288500	0.538962	13.043000	0.902360	13.563333	3.529169
48	presto/tpcds:q49	11.874667	0.773576	11.428833	0.628235	11.521667	0.352725
49	presto/tpcds:q50	22.776667	1.461534	22.906000	0.705498	22.574667	0.939209
50	presto/tpcds:q51	13.326667	0.512975	12.937167	0.268361	13.024000	0.360258
51	presto/tpcds:q52	4.646833	0.754979	4.513500	0.147600	4.361667	0.169420
52	presto/tpcds:q53	5.243167	0.405326	5.095000	0.153105	4.947667	0.331100
53	presto/tpcds:q54	12.354500	0.652255	11.625667	0.647544	11.803667	0.231339
54	presto/tpcds:q55	4.766500	0.528815	4.728000	0.437144	4.413500	0.137248

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
55	presto/tpcds:q56	7.046333	0.386347	7.528333	1.181396	7.030000	0.378161
56	presto/tpcds:q57	20.373333	0.273478	19.758000	0.666086	19.637833	0.214884
57	presto/tpcds:q58	6.805667	0.247395	6.877667	0.899974	6.884167	0.631553
58	presto/tpcds:q59	20.166167	0.391691	21.486000	0.539384	21.373333	0.804788
59	presto/tpcds:q60	7.891667	0.316636	8.349500	1.580593	7.493500	0.315491
60	presto/tpcds:q61	10.761500	0.489153	10.490833	0.368153	10.370500	0.486542
61	presto/tpcds:q62	3.348833	0.162565	3.231167	0.172006	3.273333	0.073200
62	presto/tpcds:q63	4.846333	0.231889	5.315167	0.609314	4.957333	0.249133
63	presto/tpcds:q64	73.218333	0.678386	72.418000	1.513571	88.304000	38.802716
64	presto/tpcds:q65	17.491667	0.509297	17.248333	0.641430	18.126167	1.644209
65	presto/tpcds:q66	5.134000	0.243398	5.103167	0.133251	5.469333	0.293319
66	presto/tpcds:q67	57.705000	1.108647	58.330833	0.716138	57.721833	2.406362
67	presto/tpcds:q68	7.807000	0.416240	7.648500	0.477707	8.067333	0.572711
68	presto/tpcds:q69	4.500833	0.592383	4.116500	0.181938	4.345167	0.066273
69	presto/tpcds:q70	12.159500	0.797313	12.176333	0.669632	12.524667	0.874508
70	presto/tpcds:q71	9.252167	0.665630	9.211833	1.344747	9.231667	0.568872
71	presto/tpcds:q72	13.625000	1.159857	14.372000	2.949328	13.163833	0.918564
72	presto/tpcds:q73	3.792500	0.217659	3.544333	0.177938	4.117833	0.770100
73	presto/tpcds:q74	17.640667	0.176134	17.509833	0.251931	17.500833	0.268111
74	presto/tpcds:q75	29.774000	0.731734	30.899167	1.447833	30.283833	1.028329
75	presto/tpcds:q76	7.281833	0.196716	7.165333	0.541350	7.208167	0.261120
76	presto/tpcds:q77	7.358000	0.460070	7.625667	1.121642	7.358500	0.205817
77	presto/tpcds:q78	68.164667	0.604642	68.252833	1.005993	66.640000	0.917779
78	presto/tpcds:q79	6.116167	0.278940	6.711167	1.672064	6.226000	0.256724

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
79	presto/tpcds: q80	54.087167	1.295739	52.852000	0.700501	53.048333	0.912453
80	presto/tpcds: q81	2.765667	0.550162	2.464333	0.127312	2.499667	0.084918
81	presto/tpcds: q82	7.194333	1.011125	6.886000	0.919116	8.114667	1.472940
82	presto/tpcds: q83	2.097833	0.407622	1.821167	0.385497	1.844500	0.263489
83	presto/tpcds: q84	2.333667	0.940426	1.811000	0.255171	1.954333	0.157638
84	presto/tpcds: q85	7.779667	0.273791	7.579500	0.368484	8.006833	0.644901
85	presto/tpcds: q86	3.377667	0.298553	2.994500	0.103934	3.102833	0.100760
86	presto/tpcds: q87	9.629667	0.112481	10.057167	0.885172	9.987667	0.164675
87	presto/tpcds: q88	17.840667	0.163770	18.604500	0.553280	18.175500	0.585918
88	presto/tpcds: q89	5.776333	0.309169	6.015500	0.386511	5.836000	0.343008
89	presto/tpcds: q90	2.421333	1.152628	2.809667	2.526026	1.858500	0.080192
90	presto/tpcds: q91	1.432833	0.194706	1.247000	0.053318	1.446000	0.080444
91	presto/tpcds: q92	2.820333	0.115842	3.261333	1.262178	2.821333	0.230161
92	presto/tpcds: q93	26.735667	0.219681	26.747833	0.478343	26.299167	0.274091
93	presto/tpcds: q94	3.320167	0.087140	3.455167	0.437800	3.828167	0.760892
94	presto/tpcds: q95	13.247833	0.347758	13.215167	0.960542	13.180333	0.477644
95	presto/tpcds: q96	2.819667	0.091233	3.200333	0.663506	2.990167	0.243122
96	presto/tpcds: q97	19.194333	1.239949	18.978167	0.918330	18.364333	1.258725
97	presto/tpcds: q98	5.139667	0.211066	4.979333	0.179196	5.975500	1.233544
98	presto/tpcds: q99	5.564000	1.091396	4.949167	0.133981	5.250000	0.305255

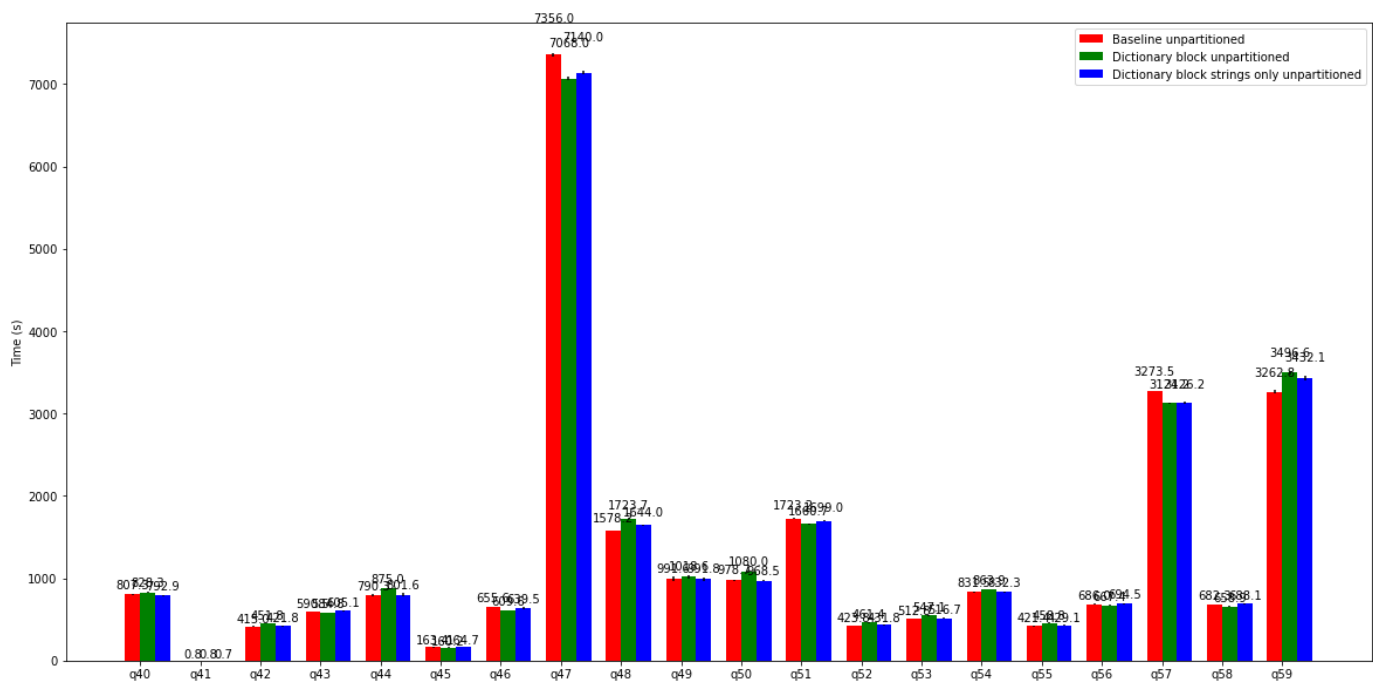
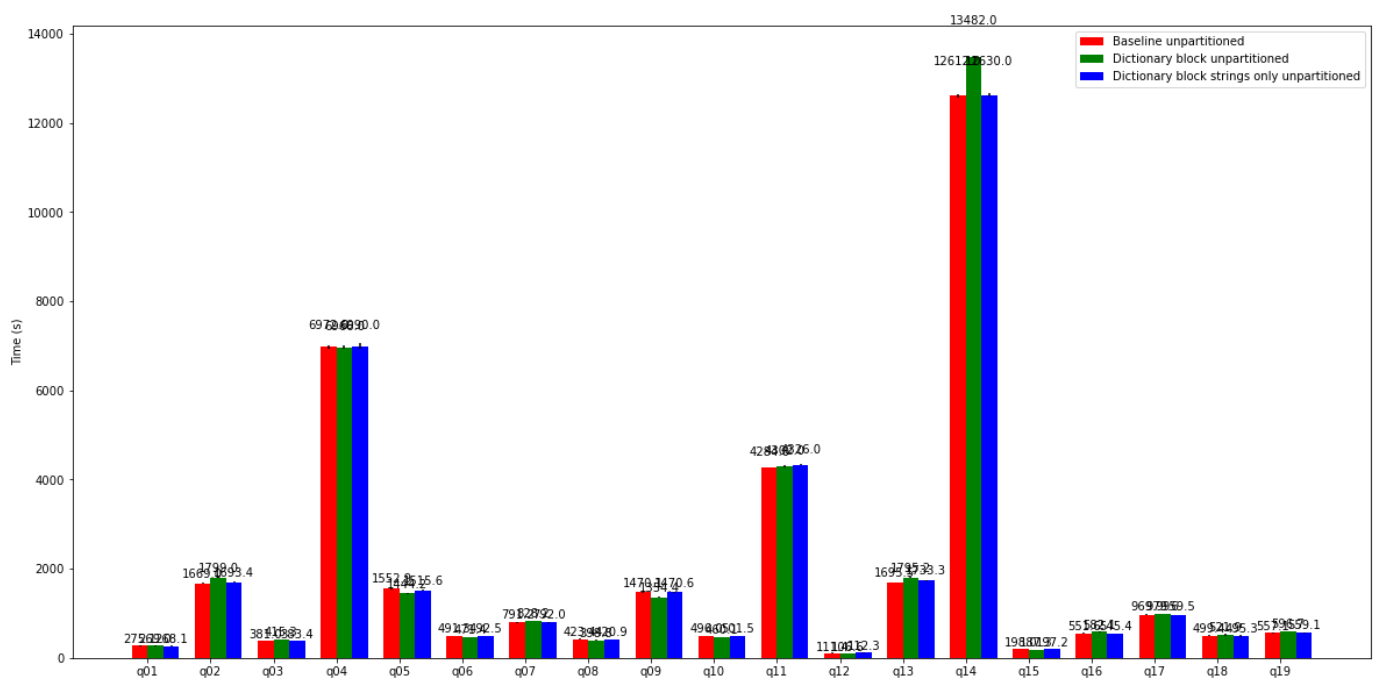
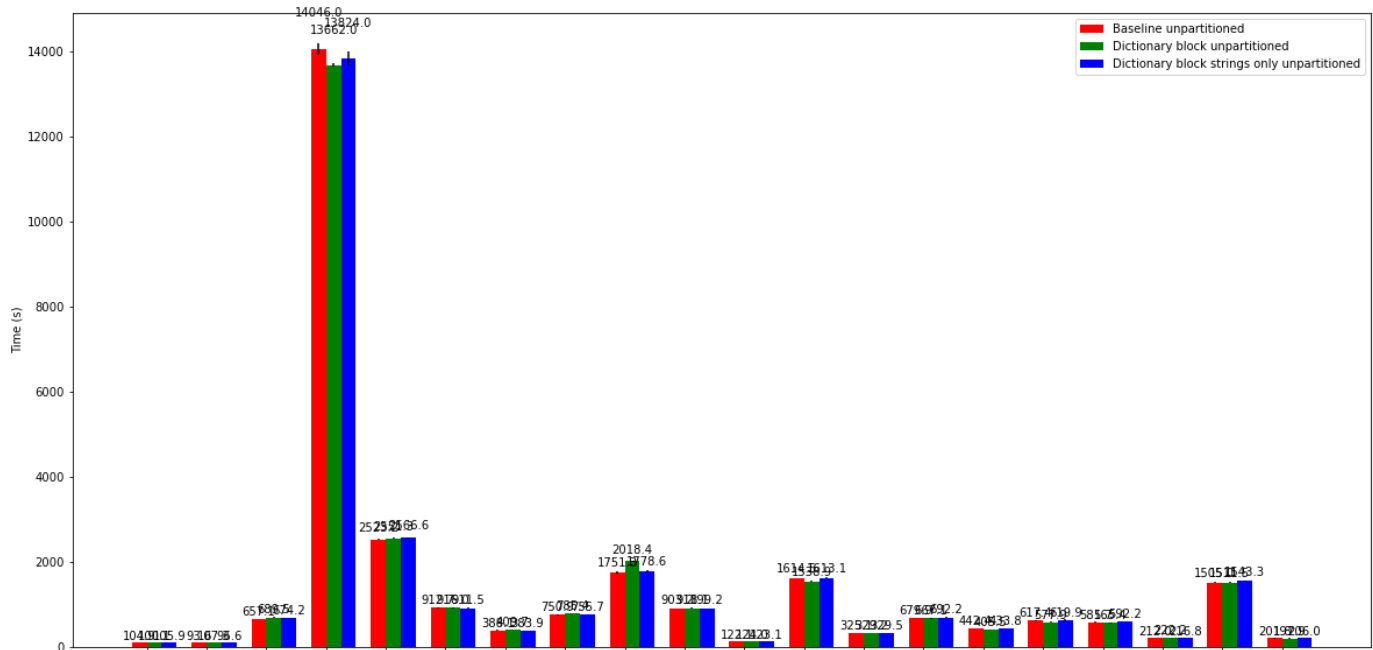
TPC-H Comparison (CPU)

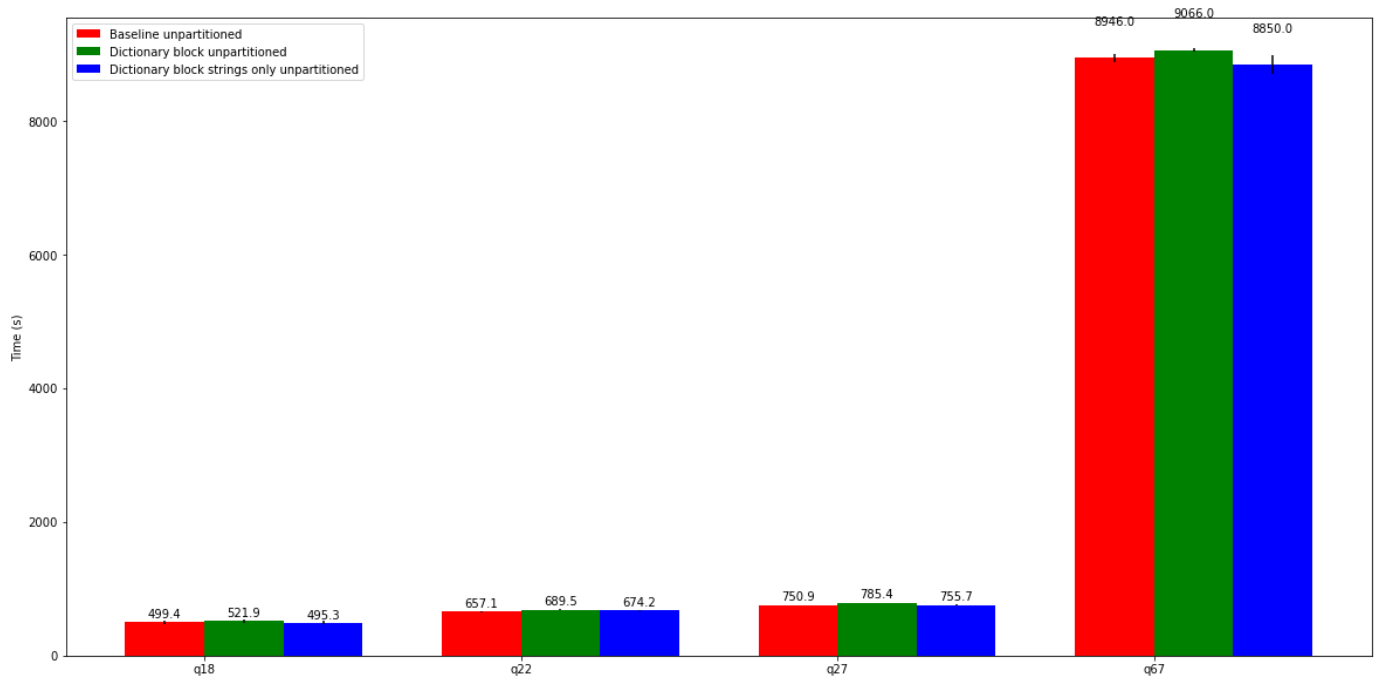
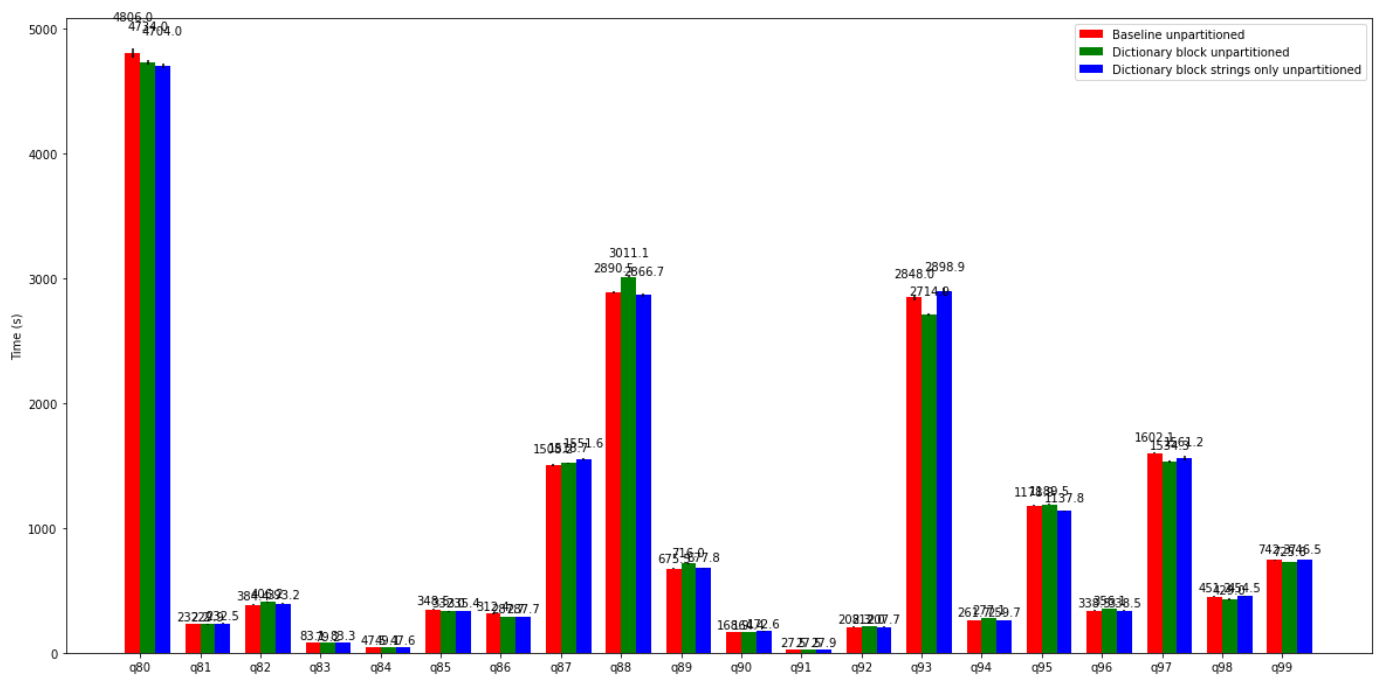
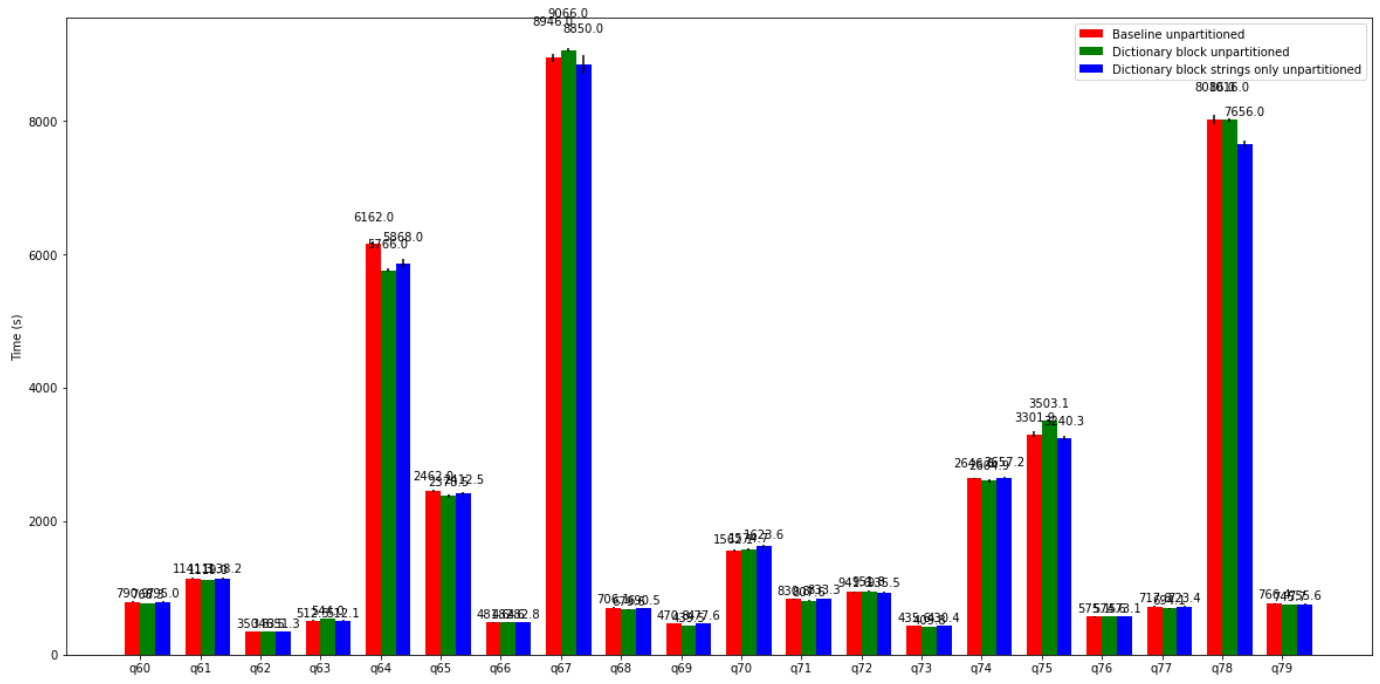


query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
0 presto/tpch: q01	3062.1	4.221374	2540.9	11.393156	2568.7	10.715783
1 presto/tpch: q02	494.8	6.879535	489.1	4.181387	479.2	2.066882
2 presto/tpch: q03	1534.3	11.568751	1547.4	8.995999	1532.5	8.429235
3 presto/tpch: q04	1530.0	24.286292	1612.6	3.234811	1396.0	11.816598
4 presto/tpch: q05	3522.3	35.361844	3463.1	26.330135	3415.9	39.349053
5 presto/tpch: q06	673.0	15.019987	854.6	11.100270	674.7	11.184811
6 presto/tpch: q07	1786.0	7.423207	1784.5	14.946705	1775.0	9.308061

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
7	presto/tpch: q08	1932.5	18.545404	1977.6	22.698722	1940.8	17.049575
8	presto/tpch: q09	5040.0	32.199379	5016.0	29.393877	5022.0	19.718012
9	presto/tpch: q10	1814.7	15.557249	1578.7	18.432471	1571.8	19.063263
10	presto/tpch: q11	378.2	3.672601	386.9	2.925064	371.3	2.773446
11	presto/tpch: q12	1264.2	6.745665	1259.1	14.273192	1202.5	8.308791
12	presto/tpch: q13	2569.5	8.701034	2512.7	9.618108	2515.0	9.544842
13	presto/tpch: q14	911.6	17.150627	894.1	16.437883	902.1	20.866720
14	presto/tpch: q15	1859.4	23.163419	1809.4	55.342859	1874.9	28.580203
15	presto/tpch: q16	551.8	1.806654	540.6	1.697056	544.3	1.672124
16	presto/tpch: q17	6108.0	95.699530	5826.0	52.990565	5802.0	42.085627
17	presto/tpch: q18	3253.5	17.680158	3150.8	15.053505	3112.9	20.252704
18	presto/tpch: q19	1833.5	15.467514	1680.9	16.820345	1684.1	20.786053
19	presto/tpch: q20	2249.8	26.914977	2189.1	28.583562	2212.0	8.642222
20	presto/tpch: q21	5526.0	19.718012	6006.0	14.696938	5454.0	37.757119
21	presto/tpch: q22	504.5	1.282186	492.9	1.407125	491.3	1.836301

TPC-DS Comparison (CPU)





	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
0	presto/tpcds: q01	275.100000	9.041902	269.000000	12.900233	268.100000	4.776191
1	presto/tpcds: q02	1669.000000	10.764386	1799.000000	14.338201	1693.400000	11.197142
2	presto/tpcds: q03	381.000000	4.033857	415.300000	2.193627	383.400000	4.933153
3	presto/tpcds: q04	6972.000000	37.180640	6966.000000	37.757119	6990.000000	69.868448
4	presto/tpcds: q05	1552.900000	12.127819	1444.200000	4.784976	1515.600000	12.459213
5	presto/tpcds: q06	491.300000	3.251461	471.400000	1.639512	492.500000	4.111934
6	presto/tpcds: q07	791.200000	6.266099	828.200000	5.142762	792.000000	7.048404
7	presto/tpcds: q08	423.400000	5.662508	398.800000	1.296148	420.900000	2.451938
8	presto/tpcds: q09	1470.100000	12.056368	1354.400000	9.790608	1470.600000	19.072074
9	presto/tpcds: q10	496.000000	1.682855	460.100000	1.282186	501.500000	1.537530
10	presto/tpcds: q11	4284.000000	0.000000	4302.000000	19.718012	4326.000000	14.696938
11	presto/tpcds: q12	111.400000	1.179830	106.600000	1.806654	112.300000	1.033441
12	presto/tpcds: q13	1695.500000	7.194164	1795.200000	13.112437	1733.300000	6.076512
13	presto/tpcds: q14	12612.000000	37.180640	13482.000000	19.718012	12630.000000	47.849765
14	presto/tpcds: q15	198.000000	1.368211	187.300000	1.337161	197.200000	1.549193
15	presto/tpcds: q16	551.600000	4.387254	582.100000	2.500400	545.400000	2.517141
16	presto/tpcds: q17	969.900000	3.993495	979.600000	6.334667	959.500000	6.599091
17	presto/tpcds: q18	499.400000	21.266311	521.900000	24.962933	495.300000	24.966778
18	presto/tpcds: q19	557.100000	7.491595	596.700000	1.728583	559.100000	5.621032
19	presto/tpcds: q20	104.900000	1.164474	100.100000	0.451664	105.900000	0.328634
20	presto/tpcds: q21	93.600000	0.379473	107.300000	0.589915	96.600000	0.848528
21	presto/tpcds: q22	657.100000	3.896152	689.500000	3.726124	674.200000	4.764871
22	presto/tpcds: q23	14046.000000	129.633329	13662.000000	37.757119	13824.000000	160.996894
23	presto/tpcds: q24	2523.200000	8.969281	2551.300000	10.471103	2566.600000	15.314307

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
24	presto/tpcds: q25	912.700000	12.092146	916.000000	13.680351	911.500000	7.854426
25	presto/tpcds: q26	388.100000	6.566277	409.700000	3.547957	383.900000	2.997999
26	presto/tpcds: q27	750.900000	7.820742	785.400000	7.119551	755.700000	6.044833
27	presto/tpcds: q28	1751.300000	26.529003	2018.400000	14.223924	1778.600000	35.999333
28	presto/tpcds: q29	903.200000	5.813089	911.100000	5.322781	899.200000	3.573234
29	presto/tpcds: q30	122.100000	1.244186	124.000000	2.507588	123.100000	2.799286
30	presto/tpcds: q31	1614.500000	5.517608	1538.900000	13.251264	1613.100000	12.265562
31	presto/tpcds: q32	325.100000	6.609992	329.200000	2.101428	329.500000	4.415880
32	presto/tpcds: q33	679.900000	4.249706	667.100000	8.505763	692.200000	4.913654
33	presto/tpcds: q34	442.400000	2.906544	405.500000	1.836301	433.800000	4.293251
34	presto/tpcds: q35	617.400000	13.496666	577.900000	16.878744	619.900000	20.827578
35	presto/tpcds: q36	581.700000	5.129912	565.400000	10.396923	592.200000	3.415260
36	presto/tpcds: q37	212.000000	2.779928	222.200000	0.979796	216.800000	1.050714
37	presto/tpcds: q38	1505.000000	14.130817	1511.500000	12.450060	1543.300000	13.142146
38	presto/tpcds: q39	201.800000	2.478709	197.900000	2.973886	206.000000	3.121538
39	presto/tpcds: q40	807.300000	6.753666	828.300000	6.547977	792.900000	8.799773
40	presto/tpcds: q41	0.788167	0.015459	0.756833	0.008542	0.740000	0.009508
41	presto/tpcds: q42	415.000000	4.151144	451.800000	4.087053	421.800000	4.505996
42	presto/tpcds: q43	590.500000	1.282186	584.800000	0.726636	605.100000	4.135215
43	presto/tpcds: q44	790.300000	14.215907	875.000000	11.190710	801.600000	19.338252
44	presto/tpcds: q45	163.400000	2.674322	160.200000	1.314534	164.700000	1.056409
45	presto/tpcds: q46	655.600000	3.532704	609.600000	4.569464	639.500000	9.039248
46	presto/tpcds: q47	7356.000000	18.590320	7068.000000	18.590320	7140.000000	18.590320
47	presto/tpcds: q48	1578.200000	4.764871	1723.700000	6.599091	1644.000000	10.733126

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
48	presto/tpcds:q49	991.600000	27.159971	1018.600000	20.118052	991.800000	20.635116
49	presto/tpcds:q50	978.700000	6.377147	1080.000000	9.866306	968.500000	8.326104
50	presto/tpcds:q51	1723.200000	7.038182	1660.700000	5.222643	1699.000000	12.928109
51	presto/tpcds:q52	423.800000	3.098387	461.400000	2.629068	431.800000	4.045738
52	presto/tpcds:q53	512.800000	3.121538	547.100000	2.557342	516.700000	3.932938
53	presto/tpcds:q54	831.500000	3.628223	863.900000	2.900345	832.300000	4.005496
54	presto/tpcds:q55	421.400000	4.854688	458.800000	2.564371	429.100000	4.544447
55	presto/tpcds:q56	686.000000	7.044998	667.400000	6.973091	694.500000	7.004855
56	presto/tpcds:q57	3273.500000	3.092572	3124.200000	7.368039	3126.200000	15.120317
57	presto/tpcds:q58	682.300000	5.412208	658.900000	6.016976	688.100000	8.420689
58	presto/tpcds:q59	3262.800000	19.143667	3496.600000	19.548095	3432.100000	29.446290
59	presto/tpcds:q60	790.900000	8.780661	768.300000	4.372185	795.000000	9.333810
60	presto/tpcds:q61	1141.300000	11.355175	1119.000000	4.276447	1138.200000	13.650494
61	presto/tpcds:q62	350.800000	1.682855	346.500000	0.734847	351.300000	2.069783
62	presto/tpcds:q63	512.500000	4.249706	544.000000	2.449490	512.100000	5.376616
63	presto/tpcds:q64	6162.000000	35.394915	5766.000000	27.099815	5868.000000	60.239522
64	presto/tpcds:q65	2462.000000	18.800851	2378.500000	19.781507	2412.500000	21.671271
65	presto/tpcds:q66	481.600000	4.387254	482.600000	4.287657	482.800000	0.903327
66	presto/tpcds:q67	8946.000000	63.384541	9066.000000	27.099815	8850.000000	133.572452
67	presto/tpcds:q68	706.100000	8.531120	679.600000	8.774509	690.500000	8.008745
68	presto/tpcds:q69	470.800000	3.051557	439.500000	0.827043	477.600000	1.564609
69	presto/tpcds:q70	1562.100000	16.973744	1574.700000	18.662797	1623.600000	30.594117
70	presto/tpcds:q71	830.800000	9.649870	807.600000	10.266840	833.300000	9.251811
71	presto/tpcds:q72	941.600000	7.325572	951.800000	4.063496	935.500000	3.507136

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
72	presto/tpcds:q73	435.600000	3.242221	409.800000	0.379473	430.400000	1.725109
73	presto/tpcds:q74	2646.600000	7.189993	2604.900000	23.887989	2657.200000	12.776854
74	presto/tpcds:q75	3301.900000	40.609703	3503.100000	19.470901	3240.300000	32.156306
75	presto/tpcds:q76	575.100000	9.605623	574.600000	5.763332	573.100000	5.345278
76	presto/tpcds:q77	717.800000	8.558505	694.100000	5.139261	723.400000	8.766299
77	presto/tpcds:q78	8016.000000	70.789830	8016.000000	29.393877	7656.000000	49.185364
78	presto/tpcds:q79	766.400000	7.624172	745.700000	1.875100	755.600000	7.755256
79	presto/tpcds:q80	4806.000000	37.757119	4734.000000	19.718012	4704.000000	18.590320
80	presto/tpcds:q81	232.200000	2.308246	229.900000	3.648013	232.500000	4.485978
81	presto/tpcds:q82	384.400000	3.863677	406.200000	2.007984	393.200000	3.212476
82	presto/tpcds:q83	83.100000	0.328634	79.200000	1.200000	83.300000	0.451664
83	presto/tpcds:q84	47.460000	0.250360	49.080000	0.330757	47.640000	0.385694
84	presto/tpcds:q85	348.500000	6.455695	332.000000	3.300909	335.400000	3.082856
85	presto/tpcds:q86	312.400000	1.766352	287.700000	2.481129	287.700000	2.566710
86	presto/tpcds:q87	1508.200000	10.194116	1518.700000	6.500154	1551.600000	10.800000
87	presto/tpcds:q88	2890.500000	6.558963	3011.100000	4.705316	2866.700000	11.253266
88	presto/tpcds:q89	675.500000	8.089252	716.000000	3.344249	677.800000	4.516636
89	presto/tpcds:q90	168.900000	1.809972	164.400000	1.779888	172.600000	1.453272
90	presto/tpcds:q91	27.491667	0.527842	27.451667	0.519208	27.916667	0.265154
91	presto/tpcds:q92	208.300000	3.092572	212.000000	1.846077	207.700000	1.714643
92	presto/tpcds:q93	2848.000000	26.445415	2714.900000	9.197173	2898.900000	27.021991
93	presto/tpcds:q94	261.700000	2.694439	277.100000	1.796664	259.700000	2.500400
94	presto/tpcds:q95	1178.900000	6.147194	1189.500000	4.305810	1137.800000	6.091305
95	presto/tpcds:q96	338.500000	2.382436	356.100000	0.827043	338.500000	1.756132

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Dictionary block unpartitioned mean	Dictionary block unpartitioned std.dev	Dictionary block strings only unpartitioned mean	Dictionary block strings only unpartitioned std.dev
96	presto/tpcds: q97	1602.100000	7.184149	1534.300000	8.943154	1561.200000	20.708259
97	presto/tpcds: q98	451.200000	5.975952	429.000000	5.717342	454.500000	3.324455
98	presto/tpcds: q99	742.300000	2.412468	725.600000	0.489898	746.500000	1.489966

TPC-H Comparison (Peak memory)

TPC-DS Comparison (Peak memory)

TPC-H Comparison (physicalInputDataSize)

TPC-DS Comparison (physicalInputDataSize)