Distribution of Parameters for Generated SQL Queries on the TPC-H Database

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## Scenario: 1-3jp_ujjp__g_hOss_hOnss

## Scale factor: 500 GB

## The 1000-query pack was generated on: 2023-11-09

## First column ('Query parameter or value') displays either:

## - a parameter name, or

## - a value of the current parameter (only for low-cardinality parameters).

## Second column ('Descriptive statistics') displays:

## - for low cardinality parameters: frequency and proportion from total (of 1000 queries)
```

Query parameter or value	Descriptive statistics
SELECT_n_of_columns	[1, 6, 97] 10 / 13
SELECT_n_of_non_aggr_funcLTRIM	
0	681 (68%)
1	239 (24%)
2	51 (5.1%)
3	20~(2.0%)
4	6~(0.6%)
5	2~(0.2%)
6	1 (0.1%)
SELECT_n_of_non_aggr_funcROUND	
0	953~(95%)
1	44 (4.4%)
2	3~(0.3%)
SELECT_n_of_non_aggr_funcRTRIM	•
0	691 (69%)

- for higher cardinality parameters: [min, median, max] mean / SD

Query parameter or value	Descriptive statistics	
1	240 (24%)	
2	52 (5.2%)	
3	9 (0.9%)	
4	3~(0.3%)	
5	4~(0.4%)	
7	1~(0.1%)	
SELECT_n_of_non_aggr_funcSUBSTR		
0	$696 \; (70\%)$	
1	234~(23%)	
2	46 (4.6%)	
3	$15 \ (1.5\%)$	
4	7~(0.7%)	
5	2~(0.2%)	
SELECT_n_of_non_aggr_funcUPPER		
0	681 (68%)	
1	244~(24%)	
2	55 (5.5%)	
3	$13 \ (1.3\%)$	
4	6~(0.6%)	
5	1~(0.1%)	
SELECT_n_of_non_aggr_funcDOW		
0	$898 \; (90\%)$	
1	76~(7.6%)	
2	$15 \ (1.5\%)$	
3	7 (0.7%)	
4	4~(0.4%)	
SELECT_n_of_non_aggr_funcMONTH		
0	854 (85%)	
1	105 (11%)	
2	$21\ (2.1\%)$	
3	11 (1.1%)	
4	$3\;(0.3\%)$	
5	5~(0.5%)	
7	1~(0.1%)	
SELECT_n_of_non_aggr_funcDAY	4	
0	920 (92%)	
1	69 (6.9%)	
2	8 (0.8%)	
3	2(0.2%)	
4	1 (0.1%)	
SELECT_n_of_non_aggr_funcABS	000 (0.00)	
0	939 (94%)	
1	55 (5.5%)	
2	5(0.5%)	
3	1 (0.1%)	
SELECT_n_of_non_aggr_funcSQRT		

Query parameter or value	Descriptive statistics
0	846 (85%)
1	123 (12%)
2	18 (1.8%)
3	9(0.9%)
4	4(0.4%)
SELECT_n_of_non_aggr_funcLOWER	
0	702 (70%)
1	$215\ (22\%)$
2	58 (5.8%)
3	18 (1.8%)
4	$6~(0.6\%)^{'}$
7	1~(0.1%)
SELECT_n_of_non_aggr_funcFLOOR	
0	939 (94%)
1	57 (5.7%)
2	4 (0.4%)
SELECT_n_of_non_aggr_funcYEAR	- (37.0)
0	867 (87%)
1	98 (9.8%)
2	22 (2.2%)
~ 3	5 (0.5%)
4	5 (0.5%)
5	3(0.3%)
SELECT_n_of_non_aggr_funcTRUNC	3 (3.370)
	953 (95%)
1	42 (4.2%)
2	4(0.4%)
4	1 (0.1%)
SELECT_n_of_non_aggr_funcLOG	1 (0.170)
0	904 (90%)
1	83 (8.3%)
2	8 (0.8%)
3	5 (0.5%)
SELECT_n_of_all_non_aggr_func	[0.0, 2.0, 45.0] $[0.3, 4.7]$
SELECT_n_of_aggr_funcAVG	[0.0, 2.0, 10.0] 0.0 / 1.1
0	941 (94%)
1	46 (4.6%)
2	7 (0.7%)
2 3	5 (0.5%)
5	1 (0.1%)
SELECT_n_of_aggr_funcCOUNT_DISTINCT	$[0.00, 0.00, 11.00] \ 0.60 \ / \ 1.37$
SELECT_n_of_aggr_funcCOUNT	[0.00, 0.00, 11.00] $[0.00, 0.00, 10.00]$ $[0.65 / 1.43]$
SELECT_n_of_aggr_funcMIN	[0.00, 0.00, 10.00] $[0.00, 0.00, 9.00]$ $[0.00, 0.00, 9.00]$ $[0.00, 0.00, 9.00]$
SELECT_n_of_aggr_funcMAX	[0.00, 0.00, 9.00] $[0.00, 0.00, 9.00]$ $[0.58 / 1.36]$
SELECT_n_of_aggr_funcSUM	[0.00, 0.00, 3.00] 0.00 / 1.00
0	940 (94%)
U	340 (34/0)

Query parameter or value	Descriptive statistics
1	$41 \ (4.1\%)$
2	17 (1.7%)
4	$1\ (0.1\%)$
5	1 (0.1%)
SELECT_n_of_all_aggr_func	[0.00, 2.00, 11.00] $[2.68 / 2.26]$
FROM_n_of_join_paths	
1	322 (32%)
2	351 (35%)
3	327 (33%)
FROM_n_of_super_joinsFULL	, ,
0	769~(77%)
1	213(21%)
2	18 (1.8%)
FROM_n_of_super_joinsRIGHT	` ,
0	774 (77%)
1	210(21%)
2	16(1.6%)
FROM_n_of_super_joinsLEFT	(
0	759 (76%)
1	$218 \ (22\%)$
2	23~(2.3%)
FROM_n_of_joinsRIGHT	[0.00, 2.00, 9.00] 1.77 / 1.50
FROM_n_of_joinsINNER	[
0	253~(25%)
1	274 (27%)
2	200 (20%)
3	130 (13%)
4	89 (8.9%)
5	30 (3.0%)
6	16 (1.6%)
7	6 (0.6%)
8	2~(0.2%)
FROM_n_of_processed_rows	[5, 3,405,028,270, 11,475,084,806] 3,286,013,048 /
	3,127,374,298
WHERE_n_of_predicates	[0.00, 2.00, 10.00] $[0.00, 2.19]$
WHERE n of attribs of type charac	. , , , , , , , , , , , , , , , , , , ,
0 = - = - = - = - = 0	412 (41%)
1	$346\ (35\%)$
2	$159\ (16\%)$
3	63 (6.3%)
4	17 (1.7%)
5	3~(0.3%)
WHERE_n_of_attribs_of_typeinteger	, ,
0	457 (46%)
1	316 (32%)
2	150 (15%)
	(· · · /

Query parameter or value	Descriptive statistics
3	57 (5.7%)
4	14(1.4%)
5	6 (0.6%)
WHERE_n_of_attribs_of_typenumeric	,
0	668~(67%)
1	228(23%)
2	80 (8.0%)
3	21 (2.1%)
4	3~(0.3%)
WHERE_n_of_attribs_of_typecharacter	,
0	727 (73%)
1	$219\ (22\%)$
2	47 (4.7%)
3	$6\;(0.6\%)$
4	$1\ (0.1\%)$
WHERE_n_of_attribs_of_typedate	
0	845 (85%)
1	$133 \ (13\%)$
2	$19 \ (1.9\%)$
3	3~(0.3%)
$WHERE_n_of_pkey_attribs$	
0	635~(64%)
1	280 (28%)
2	$68 \; (6.8\%)$
3	$16 \ (1.6\%)$
4	1~(0.1%)
$WHERE_n_of_connect_OR$	$[0.00, 1.00, 9.00] \ 1.31 \ / \ 1.64$
WHERE_n_of_operatorsgreater_or_less	
0	399 (40%)
1	319 (32%)
2	$174 \ (17\%)$
3	$76 \ (7.6\%)$
4	$21 \ (2.1\%)$
5	8~(0.8%)
6	2~(0.2%)
7	1 (0.1%)
WHERE_n_of_operatorsin	
0	622~(62%)
1	271 (27%)
2	78 (7.8%)
3	24 (2.4%)
4	$3\ (0.3\%)$
5	2~(0.2%)
WHERE_n_of_operatorsbetween	
0	654 (65%)
1	$243\ (24\%)$

3	Query parameter or value	Descriptive statistics
16 (1.6%) 3 (0.3%) WHERE_n_of_operators_like 3 (0.3%) WHERE_n_of_operators_like 827 (83%) 1	2	84 (8.4%)
WHERE_n_of_operators_like 0 827 (83%) 1 13 (14%) 2 2 29(2.9%) 3 1 (0.1%) WHERE_n_of_non_aggr_fune_ROUND 0 971 (97%) 1 29 (2.9%) WHERE_n_of_non_aggr_fune_DAY 0 971 (97%) 1 29 (2.9%) WHERE_n_of_non_aggr_fune_FLOOR 0 966 (97%) 1 34 (3.4%) WHERE_n_of_non_aggr_fune_DOW 0 978 (98%) 1 21 (2.1%) 2 1 (0.1%) WHERE_n_of_non_aggr_fune_SQRT 0 93 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_fune_LOG 0 947 (95%) 1 51 (5.1%) 2 (0.2%) WHERE_n_of_non_aggr_fune_ABS 0 975 (98%) 1 2 (0.2%) WHERE_n_of_non_aggr_fune_TRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_fune_TRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_fune_WONTH 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_fune_MONTH 0 978 (98%) 1 17 (1.7%) WHERE_n_of_all_non_aggr_fune 0 978 (98%) 1 17 (1.7%) WHERE_n_of_all_non_aggr_fune 0 978 (98%) 1 17 (1.7%) WHERE_n_of_all_non_aggr_fune 0 978 (98%) 1 194 (19%)	3	16(1.6%)
WHERE_n_of_operators_like	4	· · · · · · · · · · · · · · · · · · ·
143 (14%) 2		, ,
29 (2.9%) 3	0	827 (83%)
1 (0.1%)	1	143 (14%)
WHERE_n_of_non_aggr_funcROUND 0 971 (97%) 1 29 (2.9%) WHERE_n_of_non_aggr_funcDAY 0 971 (97%) 1 29 (2.9%) WHERE_n_of_non_aggr_funcFLOOR 0 966 (97%) 1 34 (3.4%) WHERE_n_of_non_aggr_funcDOW 0 978 (98%) 1 21 (2.1%) 2 1 (0.1%) WHERE_n_of_non_aggr_funcSQRT 0 903 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_funcLOG 0 947 (95%) 1 51 (5.1%) 2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 974 (97%) 0 974 (97%) 0 1 24 (2.4%) 0 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 978 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 17 (1.7%) WHERE_n_of_all_non_aggr_func 0 978 (98%) 1 194 (19%)	2	29 (2.9%)
971 (97%) 1	3	1 (0.1%)
1	WHERE_n_of_non_aggr_funcROUND	
WHERE_n_of_non_aggr_funcDAY 0	0	971 (97%)
971 (97%) 1	1	29 (2.9%)
### 1	WHERE_n_of_non_aggr_funcDAY	,
WHERE_n_of_non_aggr_funcFLOOR 0 966 (97%) 1 34 (3.4%) WHERE_n_of_non_aggr_funcDOW 0 978 (98%) 1 21 (2.1%) 2 1 (0.1%) WHERE_n_of_non_aggr_funcSQRT 0 903 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_funcLOG 0 947 (95%) 0 1 51 (5.1%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1	0	971 (97%)
WHERE_n_of_non_aggr_funcFLOOR 0 966 (97%) 1 34 (3.4%) WHERE_n_of_non_aggr_funcDOW 0 978 (98%) 1 21 (2.1%) 2 1 (0.1%) WHERE_n_of_non_aggr_funcSQRT 0 903 (90%) 0 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_funcLOG 0 947 (95%) 0 1 51 (5.1%) 2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 0 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 0 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 0 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 0 978 (98%) 0 978 (98%) 0 978 (98%) 0 979 (98%) 0 97	1	` ,
966 (97%) 1	WHERE_n_of_non_aggr_funcFLOOR	, ,
### 34 (3.4%) WHERE_n_of_non_aggr_funcDOW ### 21 (2.1%) ### 21 (2.1%) ### 21 (0.1%) WHERE_n_of_non_aggr_funcSQRT ### 303 (90%) ### 903 (90%) ### 903 (90%) ### 903 (90%) ### 904 (9.1%) ### 6 (0.6%) WHERE_n_of_non_aggr_funcLOG ### 947 (95%) ### 51 (5.1%) ### 2 (0.2%) WHERE_n_of_non_aggr_funcABS ### 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC ### 24 (2.4%) ### 24 (2.4%) ### 24 (2.4%) ### 25 (0.2%) WHERE_n_of_non_aggr_funcYEAR ### 983 (98%) ### 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH ### 978 (98%) ### 17 (1.7%) #### 978 (98%) ### 17 (1.7%) #### 17 (1.7%) #### 17 (1.7%) #### 17 (1.7%) #### 18 (9.6%) ### 19 (9.6%) ###		966~(97%)
WHERE_n_of_non_aggr_funcDOW 0 978 (98%) 1 21 (2.1%) 2 1 (0.1%) WHERE_n_of_non_aggr_funcSQRT 0 903 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_funcLOG 0 947 (95%) 1 51 (5.1%) 2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 978 (98%) 1 194 (19%)	1	` '
978 (98%) 1	WHERE_n_of_non_aggr_funcDOW	, ,
21 (2.1%) 2		978 (98%)
WHERE_n_of_non_aggr_funcSQRT 0 903 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_funcLOG 0 947 (95%) 1 51 (5.1%) 2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	1	$21\ (2.1\%)$
90 903 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_func_LOG 0 947 (95%) 1 51 (5.1%) 2 2 (0.2%) WHERE_n_of_non_aggr_func_ABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_func_TRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_func_YEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_func_MONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	2	1 (0.1%)
90 903 (90%) 1 91 (9.1%) 2 6 (0.6%) WHERE_n_of_non_aggr_func_LOG 0 947 (95%) 1 51 (5.1%) 2 2 (0.2%) WHERE_n_of_non_aggr_func_ABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_func_TRUNC 0 974 (97%) 1 24 (2.4%) 2 2 (0.2%) WHERE_n_of_non_aggr_func_YEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_func_MONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	WHERE_n_of_non_aggr_funcSQRT	, ,
2 6 (0.6%) WHERE_n_of_non_aggr_funcLOG 947 (95%) 1 51 (5.1%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcABS 975 (98%) 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 974 (97%) 0 974 (97%) 1 24 (2.4%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 983 (98%) 0 988 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 978 (98%) 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 728 (73%) 1 194 (19%)		903 (90%)
WHERE_n_of_non_aggr_funcLOG 0 947 (95%) 1 51 (5.1%) 2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	1	91 (9.1%)
947 (95%) 1	2	6~(0.6%)
947 (95%) 1	WHERE_n_of_non_aggr_funcLOG	,
2 (0.2%) WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	0	947 (95%)
WHERE_n_of_non_aggr_funcABS 0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	1	51 (5.1%)
0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 974 (97%) 0 974 (2.4%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 728 (73%) 0 728 (73%) 1 194 (19%)	2	2~(0.2%)
0 975 (98%) 1 25 (2.5%) WHERE_n_of_non_aggr_funcTRUNC 974 (97%) 0 974 (2.4%) 2 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 728 (73%) 0 728 (73%) 1 194 (19%)	WHERE_n_of_non_aggr_funcABS	, ,
WHERE_n_of_non_aggr_funcTRUNC 0 974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)		975 (98%)
974 (97%) 1 24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 728 (73%) 1 194 (19%)	1	25~(2.5%)
24 (2.4%) 2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	WHERE_n_of_non_aggr_funcTRUNC	,
2 (0.2%) WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	0	974 (97%)
WHERE_n_of_non_aggr_funcYEAR 0 983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	1	$24\ (2.4\%)$
983 (98%) 1 17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	2	2~(0.2%)
17 (1.7%) WHERE_n_of_non_aggr_funcMONTH 0 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	WHERE_n_of_non_aggr_funcYEAR	
WHERE_n_of_non_aggr_funcMONTH 978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 728 (73%) 1 194 (19%)	0	983 (98%)
978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	1	17 (1.7%)
978 (98%) 1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)	WHERE_n_of_non_aggr_funcMONTH	
1 22 (2.2%) WHERE_n_of_all_non_aggr_func 0 728 (73%) 1 194 (19%)		978 (98%)
WHERE_n_of_all_non_aggr_func 0	1	,
728 (73%) 1 194 (19%)	WHERE_n_of_all_non_aggr_func	,
194 (19%)		728 (73%)
		, ,
		63 (6.3%)

Query parameter or value	Descriptive statistics	
3	15 (1.5%)	
GROUP_BY_n_of_columns	[0.00, 2.00, 9.00] $[0.40 / 2.17]$	
HAVING_n_of_main_predicates		
θ	426~(43%)	
1	203~(20%)	
2	180 (18%)	
3	191 (19%)	
ORDER_BY_n_of_columns		
θ	296 (30%)	
1	372 (37%)	
2	231~(23%)	
3	65~(6.5%)	
4	23~(2.3%)	
5	12~(1.2%)	
6	1 (0.1%)	
limit	[2, 500, 1,000] 494 / 286	
offset	$[0, 0, 996] \ 246 \ / \ 319$	