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

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## Scenario: 1-6jp_rjjp__g__h0-3ss_h0-3nss

## Scale factor: 1 GB

## The 1000-query pack was generated on: 2023-11-12

## 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)

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

Query parameter or value	Descriptive statistics
SELECT_n_of_columns	[1, 8, 174] 15 / 23
SELECT_n_of_non_aggr_funcFLOOR	
0	931 (93%)
1	62 (6.2%)
2	4 (0.4%)
3	1(0.1%)
4	1(0.1%)
5	1(0.1%)
SELECT_n_of_non_aggr_funcLTRIM	, ,
0	637~(64%)
1	$245\ (25\%)$
2	79 (7.9%)
3	19 (1.9%)
4	13(1.3%)
5	4(0.4%)
	,

Query parameter or value	Descriptive statistics
6	3 (0.3%)
SELECT_n_of_non_aggr_funcMONTH	
0	806 (81%)
1	$133 \ (13\%)$
2	$33 \ (3.3\%)$
3	18 (1.8%)
4	3 (0.3%)
5	4 (0.4%)
7 CELECTE (DEDIM	3~(0.3%)
SELECT_n_of_non_aggr_funcRTRIM	caa (ca0/)
0	633 (63%)
1 2	261 (26%)
3	$\begin{array}{c} 61 \ (6.1\%) \\ 21 \ (2.1\%) \end{array}$
	11 (1.1%)
<i>4 5</i>	7(0.7%)
6	2 (0.2%)
7	3(0.3%)
8	1 (0.1%)
SELECT_n_of_non_aggr_funcSQRT	(- , , ,
0	800 (80%)
1	147 (15%)
2	$27 \ (2.7\%)$
3	$13 \ (1.3\%)$
4	4~(0.4%)
5	5~(0.5%)
6	1 (0.1%)
γ	2(0.2%)
8	1~(0.1%)
SELECT_n_of_non_aggr_funcUPPER	CAR (CECY)
0	647 (65%)
1	242 (24%)
2 3	71 (7.1%) $21 (2.1%)$
	13 (1.3%)
<i>4 5</i>	5(0.5%)
$\frac{3}{7}$	1 (0.1%)
SELECT_n_of_non_aggr_funcYEAR	1 (0.170)
0	822 (82%)
1	128 (13%)
2	33 (3.3%)
3	11 (1.1%)
4	4 (0.4%)
5	1 (0.1%)
6	1 (0.1%)
SELECT_n_of_non_aggr_funcSUBSTR	

0 621 (62%) 1 252 (25%) 10 1 (0.1%) 2 85 (8.5%) 3 26 (2.6%) 4 10 (1.0%) 5 3 (0.3%) 6 1 (0.1%) SELECT_n_of_non_aggr_func_DAY 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 60.66%) SELECT_n_of_non_aggr_func_ROUND 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_func_TRUNC 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_func_ABS 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) 5ELECT_n_of_non_aggr_func_DOW 856 (86%) 0 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 <th>Query parameter or value</th> <th>Descriptive statistics</th>	Query parameter or value	Descriptive statistics
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0	621 (62%)
2 85 (8.5%) 3 26 (2.6%) 4 10 (1.0%) 5 3 (0.3%) 6 1 (0.0%) 8 1 (0.1%) SELECT_n_of_non_aggr_func_DAY 0 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 6 (0.6%) SELECT n_of_non_aggr_func_ROUND 0 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_func_TRUNC 0 927 (93%) 1 66 (6.6%) SELECT_n_of_non_aggr_func_ABS 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) SELECT_n_of_non_aggr_func_DOW 0 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) SELECT_n_of_non_aggr_func_LOWER 0 63 (6.6%) 5 2 (2.2%) 4 7 (0.7%) 5 5 (0.5%)	1	, ,
3 26 (26%) 4 10 (1.0%) 5 3 (0.3%) 6 1 (0.1%) 8 1 (0.1%) SELECT_n_of_non_aggr_func_DAY 891 (89%) 0 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 6 (0.6%) SELECT_n_of_non_aggr_func_ROUND 911 (91%) 0 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_func_TRUNC 927 (93%) 0 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_func_ABS 910 (91%) 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_func_DOW 856 (86%) 0 856 (86%) 1 1 (0.1%) 5 6 (0.6%) 5 1 (0.1%)	10	1 (0.1%)
3 26 (26%) 4 10 (1.0%) 5 3 (0.3%) 6 1 (0.1%) 8 1 (0.1%) SELECT_n_of_non_aggr_func_DAY 891 (89%) 0 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 6 (0.6%) SELECT_n_of_non_aggr_func_ROUND 911 (91%) 0 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_func_TRUNC 927 (93%) 0 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_func_ABS 910 (91%) 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_func_DOW 856 (86%) 0 856 (86%) 1 1 (0.1%) 5 6 (0.6%) 5 1 (0.1%)	2	85 (8.5%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	
5	4	$10 \ (1.0\%)$
8 1 (0.1%) SELECT_n_of_non_aggr_funcDAY 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 6 (0.6%) SELECT_n_of_non_aggr_funcROUND 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_funcTRUNC 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_funcABS 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_funcDOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 64 (6.6%) 4 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 64 (6.6%) 5 1 (0.1%) 5 6 (6.6%) 2 22 (2.2%) <tr< td=""><td></td><td>3~(0.3%)</td></tr<>		3~(0.3%)
SELECT_n_of_non_aggr_func_DAY 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 6 (0.6%) SELECT_n_of_non_aggr_func_ROUND 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_func_TRUNC 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_func_ABS 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_func_DOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 6 (0.6%) 5 1 (0.1%) 6 6 (0.6%) 2 2 (2.2%) 3 1 (0.1%) 6 6 (0.6%) 5 1 (0.1%) 6 6 (0.6%) <t< td=""><td>6</td><td>1~(0.1%)</td></t<>	6	1~(0.1%)
0 891 (89%) 1 82 (8.2%) 2 21 (2.1%) 3 6 (0.6%) SELECT_n_of_non_aggr_funeROUND 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_funeTRUNC 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_funeABS 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_funeDOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) 6 6 (6.6%) 2 2 (2.2%) 3 1 (0.1%) 6 6 (6.6%) 5 1 (0.1%) 6 6 (6.6%) 2 6 (6.6%) 3 2 (2.	8	1~(0.1%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SELECT_n_of_non_aggr_funcDAY	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0	, ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
SELECT_n_of_non_aggr_funcROUND 0 911 (91%) 1 68 (6.8%) 2 17 (1.7%) 3 4 (0.4%) SELECT_n_of_non_aggr_funcTRUNC 0 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 (0.3%) SELECT_n_of_non_aggr_funcABS 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 (0.3%) SELECT_n_of_non_aggr_funcDOW 0 856 (86%) 1 10.1%) SELECT_n_of_non_aggr_funcDOW 0 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 0 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 (0.5%)		· /
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$6 \; (0.6\%)$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.1. (2.0)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$, ,
3		, ,
SELECT_n_of_non_aggr_funcTRUNC 0 927 (93%) 1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_funcABS 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_funcDOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) 8ELECT_n_of_non_aggr_funcLOWER 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		, ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		4~(0.4%)
1 66 (6.6%) 2 4 (0.4%) 3 3 (0.3%) SELECT_n_of_non_aggr_funcABS 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_funcDOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 634 (63%) 0 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 6.5%)		007 (008)
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3 (0.3%) SELECT_n_of_non_aggr_funcABS 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_funcDOW 0 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 0 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		· /
SELECT_n_of_non_aggr_funcABS 0 910 (91%) 1 79 (7.9%) 2 7 (0.7%) 3 3 (0.3%) 4 1 (0.1%) SELECT_n_of_non_aggr_funcDOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		, ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		3 (0.3%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		010 (0197)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$, ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
\$\frac{4}{\text{SELECT_n_of_non_aggr_funcDOW}}\$ \[\text{0} & 856 \ (86\%) \\ 1 & 107 \ (11\%) \\ 2 & 22 \ (2.2\) \\ 3 & 7 \ (0.7\) \\ 4 & 6 \ (0.6\) \\ 5 & 1 \ (0.1\) \\ 6 & 1 \ (0.1\) \\ 5 & 1 \ (0.1\) \\ SELECT_n_of_non_aggr_funcLOWER \[\text{0} & 634 \ (63\) \\ 1 & 260 \ (26\) \\ 2 & 68 \ (6.8\) \\ 3 & 22 \ (2.2\) \\ 4 & 7 \ (0.7\) \\ 5 & 5 \ (0.5\) \\ \end{array}\$		
SELECT_n_of_non_aggr_funcDOW 856 (86%) 1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		, ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1 (0.170)
1 107 (11%) 2 22 (2.2%) 3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) SELECT_n_of_non_aggr_func_LOWER 0 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 (0.5%)		856 (86%)
22 (2.2%) 3		
3 7 (0.7%) 4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 634 (63%) 0 634 (63%) 2 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		. ,
4 6 (0.6%) 5 1 (0.1%) 6 1 (0.1%) 1 (0.1%) 1 (0.1%) SELECT_n_of_non_aggr_func_LOWER 634 (63%) 2 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		
5 1 (0.1%) 6 1 (0.1%) SELECT_n_of_non_aggr_funcLOWER 634 (63%) 0 634 (63%) 2 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)		,
6		
SELECT_n_of_non_aggr_funcLOWER 634 (63%) 1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)	6	,
1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)	SELECT_n_of_non_aggr_funcLOWER	,
1 260 (26%) 2 68 (6.8%) 3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)	0	634~(63%)
3 22 (2.2%) 4 7 (0.7%) 5 5 (0.5%)	1	
7 (0.7%) 5 5 (0.5%)		68~(6.8%)
5 (0.5%)	3	$22\ (2.2\%)$
5 (0.5%)	4	
6 1 (0.1%)	5	, ,
	6	1 (0.1%)

Query parameter or value	Descriptive statistics
$\overline{\gamma}$	3 (0.3%)
SELECT_n_of_non_aggr_funcLOG	,
0	848 (85%)
1	$118\ (12\%)$
2	$22\;(2.2\%)$
3	7 (0.7%)
4	$3\ (0.3\%)$
5	1 (0.1%)
6	1 (0.1%)
SELECT_n_of_all_non_aggr_func	$[0.0, 3.0, 52.0] \ 4.6 \ / \ 6.7$
SELECT_n_of_aggr_funcCOUNT	$[0.00, 0.00, 14.00] \ 0.82 \ / \ 1.94$
SELECT_n_of_aggr_funcCOUNT_DISTINCT	[0.00, 0.00, 17.00] $[0.88]$ / $[0.01]$
SELECT_n_of_aggr_funcMIN	$[0.00, 0.00, 11.00] \ 0.79 \ / \ 1.87$
SELECT_n_of_aggr_funcSUM	
0	924~(92%)
1	55 (5.5%)
2	15~(1.5%)
3	$3\;(0.3\%)$
4	3~(0.3%)
SELECT_n_of_aggr_funcMAX	[0.00,0.00,12.00]1.01/2.14
SELECT_n_of_aggr_funcAVG	090 (0907)
0	930 (93%)
1	41 (4.1%)
2	20 (2.0%)
3	8 (0.8%)
4 CELECTE C. II. C.	1 (0.1%)
SELECT_n_of_all_aggr_func FROM_n_of_join_paths	$[0.00, 3.00, 17.00] \ 3.71 \ / \ 3.19$
1	153~(15%)
2	157 (16%)
3	168 (17%)
4	173 (17%)
5	174 (17%)
6	175 (18%)
FROM_n_of_super_joinsLEFT	
0	532~(53%)
1	329 (33%)
2	113 (11%)
3	24 (2.4%)
4	2~(0.2%)
FROM_n_of_super_joinsRIGHT	
0	547 (55%)
1	310 (31%)
2	121 (12%)
3	17 (1.7%)
4	5~(0.5%)

Query parameter or value	Descriptive statistics
FROM_n_of_super_joinsFULL	
0	533~(53%)
1	315 (32%)
2	115 (12%)
3	33~(3.3%)
4	$3\ (0.3\%)$
5	1 (0.1%)
FROM_n_of_joinsINNER	[0.00, 3.00, 13.00] $[3.45 / 2.51]$
FROM_n_of_joinsRIGHT	[0.00, 3.00, 15.00] 3.42 / 2.50
FROM_n_of_processed_rows	[5, 9,300,646, 43,923,626] 12,229,603 / 10,138,395
WHERE_n_of_predicates	[0.00, 4.00, 14.00] 4.00 / 2.94
WHERE n_of_attribs_of_typecharacter	
0	628 (63%)
1	246 (25%)
2	96 (9.6%)
3	20 (2.0%)
	8 (0.8%)
<i>4 5</i>	2(0.3%)
WHERE_n_of_attribs_of_typecharacter	` '
0	316 (32%)
	314 (31%)
1 2	186 (19%)
<i>z</i> <i>3</i>	130 (19%) 124 (12%)
	41 (4.1%)
<i>4 5</i>	, ,
6	15 (1.5%)
	4~(0.4%)
WHERE_n_of_attribs_of_typeinteger	272 (270/)
0	372 (37%)
1	274 (27%)
2	202 (20%)
3	100 (10%)
4	35 (3.5%)
5	10 (1.0%)
6	6 (0.6%)
7	1 (0.1%)
WHERE_n_of_attribs_of_typenumeric	FPF (F007)
0	575 (58%)
1	260 (26%)
2	125 (13%)
3	28 (2.8%)
4	9(0.9%)
5	3~(0.3%)
WHERE_n_of_attribs_of_typedate	
0	771 (77%)
1	189 (19%)
2	$31 \ (3.1\%)$

Query parameter or value	Descriptive statistics
3	8 (0.8%)
6	1 (0.1%)
WHERE_n_of_pkey_attribs	•
0	551 (55%)
1	285~(29%)
2	114 (11%)
3	37 (3.7%)
4	$13\;(1.3\%)$
WHERE_n_of_connect_OR	[0.00, 2.00, 12.00] 2.34 / 2.44
WHERE_n_of_operatorsbetween	
0	500 (50%)
1	305 (31%)
2	145 (15%)
3	$39 \; (3.9\%)$
4	10 (1.0%)
5	1 (0.1%)
WHERE_n_of_operatorsgreater_or_less	
0	$319 \; (32\%)$
1	271 (27%)
2	193 (19%)
3	110 (11%)
4	67 (6.7%)
5	29~(2.9%)
6	7 (0.7%)
7	3~(0.3%)
8	1 (0.1%)
WHERE_n_of_operatorsin	•
0	513 (51%)
1	302~(30%)
2	125~(13%)
3	43~(4.3%)
4	13~(1.3%)
5	4~(0.4%)
WHERE_n_of_operatorslike	
0	763~(76%)
1	210 (21%)
2	27 (2.7%)
WHERE_n_of_non_aggr_funcLOG	
0	921 (92%)
1	74 (7.4%)
2	5~(0.5%)
WHERE_n_of_non_aggr_funcABS	. ,
0	$952 \; (95\%)$
1	47 (4.7%)
2	1 (0.1%)
WHERE_n_of_non_aggr_funcDOW	` ,

Query parameter or value	Descriptive statistics
0	961 (96%)
1	37 (3.7%)
2	$2\;(0.2\%)$
WHERE_n_of_non_aggr_funcSQRT	,
0	890 (89%)
1	$100\ (10\%)$
2	9 (0.9%)
3	1(0.1%)
WHERE_n_of_non_aggr_funcMONTH	,
0	956~(96%)
1	$42\ (4.2\%)$
2	$2\;\stackrel{\circ}{(0.2\%)}$
WHERE_n_of_non_aggr_funcFLOOR	,
0	955~(96%)
1	44 (4.4%)
2	$1 \ (0.1\%)$
WHERE_n_of_non_aggr_funcDAY	,
0	956~(96%)
1	$42\ (4.2\%)$
2	$2\;(0.2\%)$
WHERE_n_of_non_aggr_funcROUND	,
0	958~(96%)
1	$42\ (4.2\%)$
WHERE_n_of_non_aggr_funcTRUNC	, ,
0	961 (96%)
1	38 (3.8%)
2	1(0.1%)
WHERE_n_of_non_aggr_funcYEAR	,
0	961 (96%)
1	39 (3.9%)
WHERE_n_of_all_non_aggr_func	· ,
0	618~(62%)
1	250(25%)
2	99 (9.9%)
3	$26\ (2.6\%)$
4	7 (0.7%)
GROUP_BY_n_of_columns	[0.00, 2.00, 12.00] 3.05 / 2.85
HAVING_n_of_main_predicates	[0.00, 4.00, 9.00] $[0.00, 4.00]$ $[0.00, 4.00]$
HAVING_n_of_main_predicatesscalar_subquer	ry
0	429 (43%)
1	167 (17%)
2	201 (20%)
3	$203\ (20\%)$
	• • •
HAVING_n_of_main_predicatesnon_scalar_su	bquery
HAVING_n_of_main_predicatesnon_scalar_su 0	441 (44%)

Query parameter or value	Descriptive statistics
2	190 (19%)
3	201 (20%)
HAVING_n_of_subqueriesscalar_subquery	[0.0, 1.0, 19.0] 2.5 / 3.6
HAVING_n_of_subqueriesnon_scalar_subque	ery
0	441 (44%)
1	168 (17%)
2	190 (19%)
3	201~(20%)
HAVING_n_of_processed_rows_by_subqueries	$[0, 13,880,260, 647,387,190] \ 45,482,539 \ /$
	75,614,053
ORDER_BY_n_of_columns	
0	302~(30%)
1	355~(36%)
2	214~(21%)
3	84~(8.4%)
4	20~(2.0%)
5	14~(1.4%)
6	9~(0.9%)
7	2(0.2%)
limit	[1, 498, 1,000] 505 / 283
offset	[0, 0, 999] 226 / 309