

Buffer pool size: 16.0 GBytes

\*Query results were limited to 1000 rows

Query ID	Optimization Method	Before Optimization (ms)	After Optimization (ms)
Q1	-- Adding posted_month and posted_year columns to tweet table -- Creating index on posted_month -- Replacing YEAR() and MONTH() functions	0:00:0.17614692	0:00:0.16037000
Q2	Using index on hashtag(hashtagname)	0:00:0.02662886	0:00:0.035112321
Q3	Re-writing query	0:00:0.53549350	0:00:0.467960788
Q6	Re-writing with inner join	0:00:0.04186076	0:00:0.03885418
Q10	Using index on user(ofstate)	0:00:0.24638000	0:00:0.04578200
Q15	Using index on tweet(posted_year, posted_month)	0:00:0.47943198	0:00:0.07136152
Q23	Using index on tweet(posted_year)	0:00:0.53083529	0:00:0.52645000
Q27	Using index on tweet(posted_year, posted_month)	0:00:0.62017511	0:00:0.19528000