

Table 2: Average server execution time reported by MySQL server over 5 runs for each query

n = SELECT @@innodb_buffer_pool_size/1024/1024/1024;

Buffer pool size: n GBytes

Query ID	Optimization Method	Before Optimization (ms)	After Optimization (ms)
Q1	CREATE INDEX retweetCountIndex On Tweet(retweet_count)	421	17
Q3		9453	
Q6		63	
Q9	CREATE INDEX subCategoryIndex ON User (sub_category);	21	
Q10		9922	
Q11		31	
Q15		532	
Q18		16703	
Q23		578	