

Supplementary Document to Towards Longitudinal Analytics on Social Media Data

March 1, 2017

This document supplements the PVLDB submission “Towards Longitudinal Analytics on Social Media Data.” In particular, this document presents experimental results for the AND and OR semantics.

1 Experiments for AND semantics

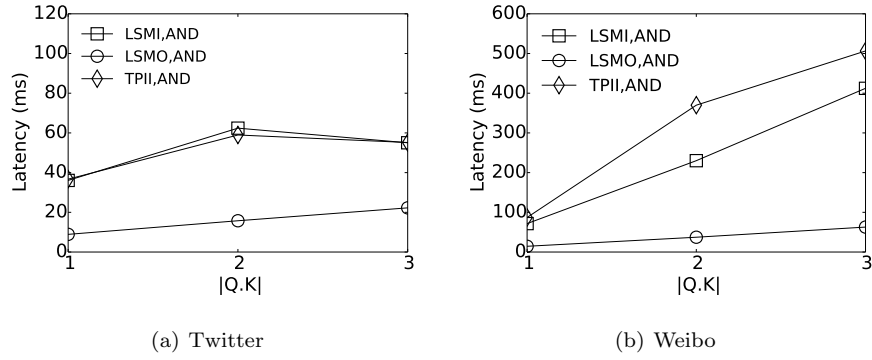
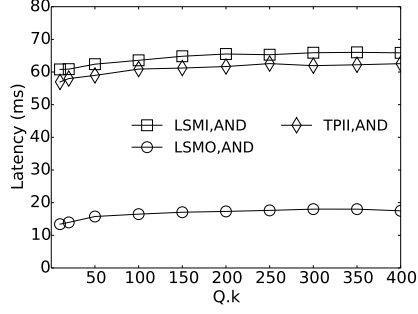
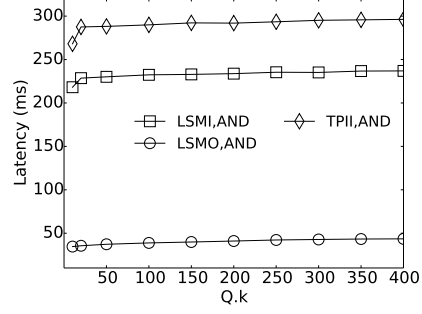


Figure 1: Impact of $|Q.K|$

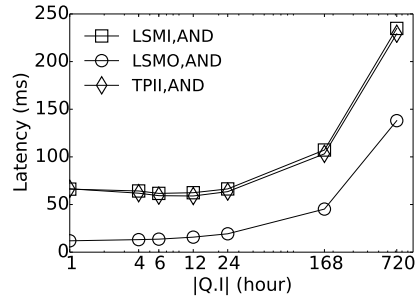


(a) Twitter

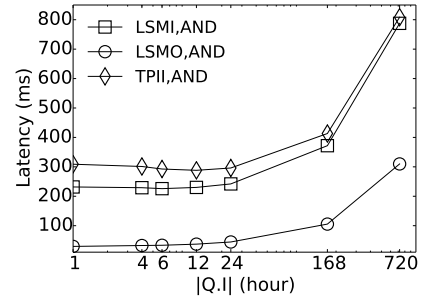


(b) Weibo

Figure 2: Impact of $Q.k$

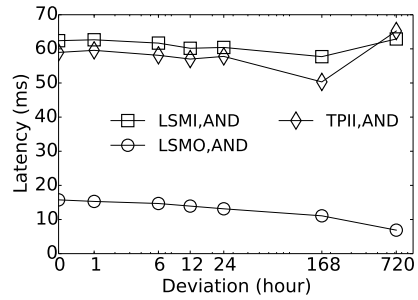


(a) Twitter

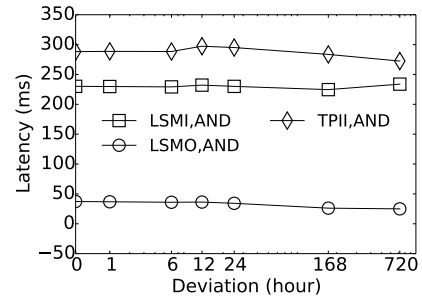


(b) Weibo

Figure 3: Impact of $|Q.I|$



(a) Twitter



(b) Weibo

Figure 4: Impact of deviation

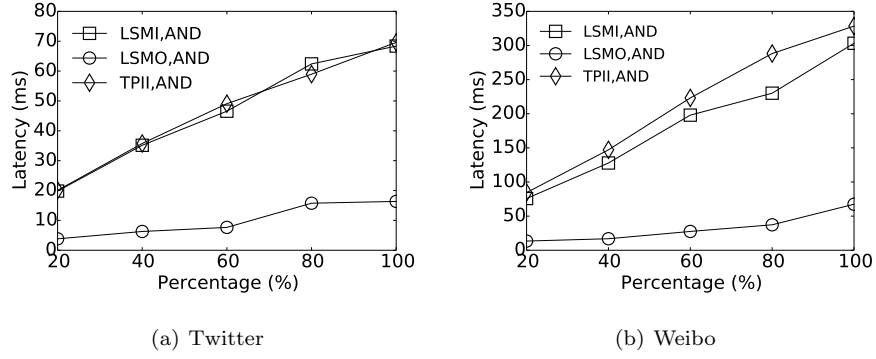


Figure 5: Query Performance of scalability experiments

2 Experiments for OR semantics

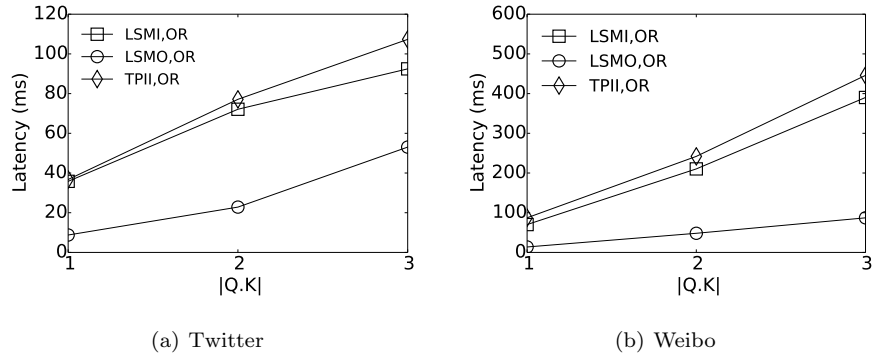


Figure 6: Impact of $|Q.K|$

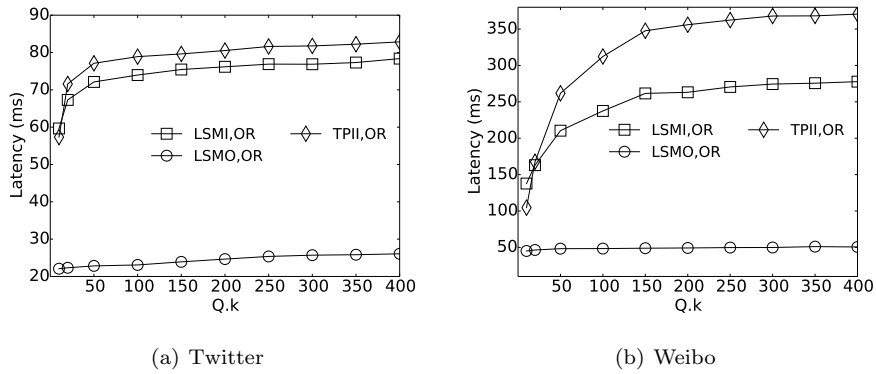


Figure 7: Impact of $Q.k$

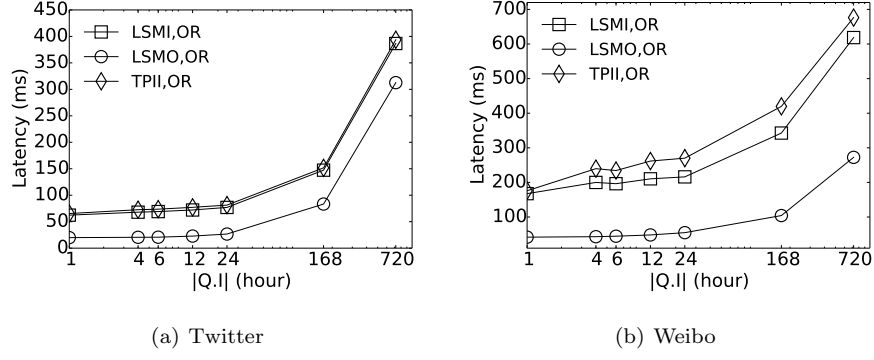


Figure 8: Impact of $|Q.I|$

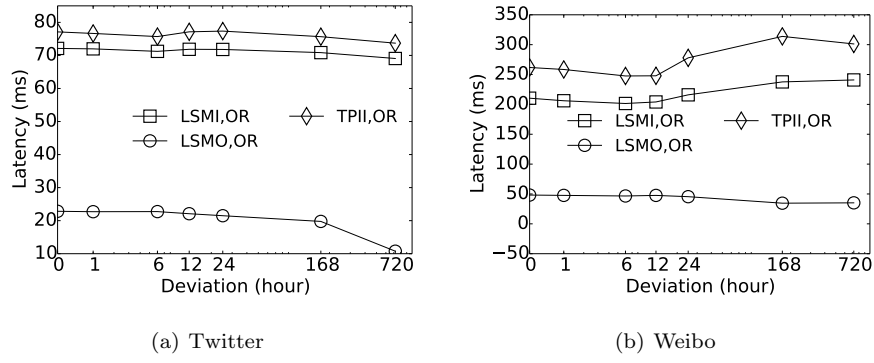


Figure 9: Impact of deviation

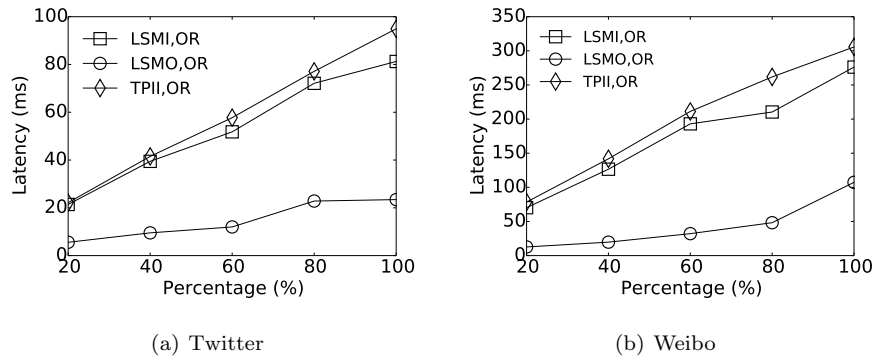


Figure 10: Query Performance of scalability experiments