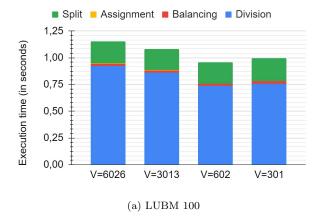
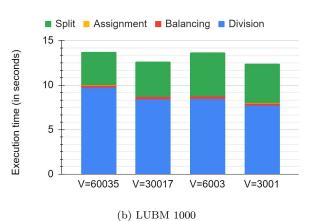
Evaluation Update volume ISWC 2022

May 2022

This volume is computed as the division between the original pool size and the update rate. Thus, a smaller R will yield a smaller number of updates which will involve many tuples, whereas a larger R will yield frequent updates involving fewer tuples. To produce a new publication, $\frac{|pool|}{R}$ randomly selected entities from the dataset (as well as their attributes) are deleted and the same amount from the pool is added. Regardless of R, in the end, all the tuples inside the pool will be inserted into the dataset.





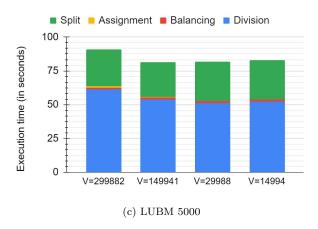
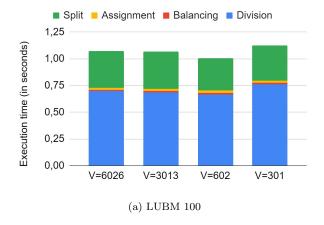
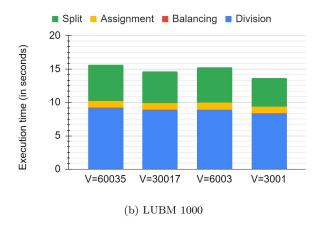


Figure 1: Execution time: varying update volumes (V value) - m=4 - Three releases





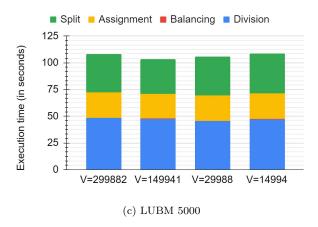


Figure 2: Execution time on the initial release: varying update volumes (V value) - m=4 - Three releases

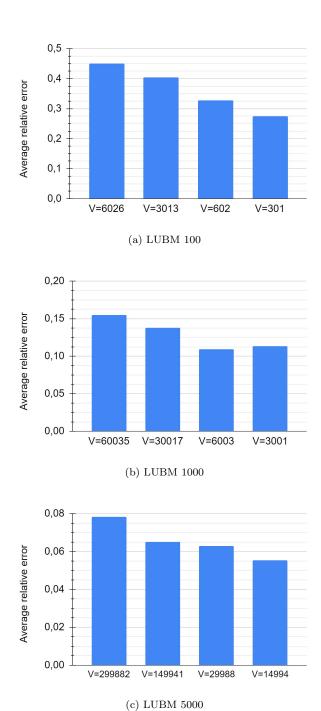


Figure 3: Data utility: varying update volumes (V value) - m=4 - Three releases