

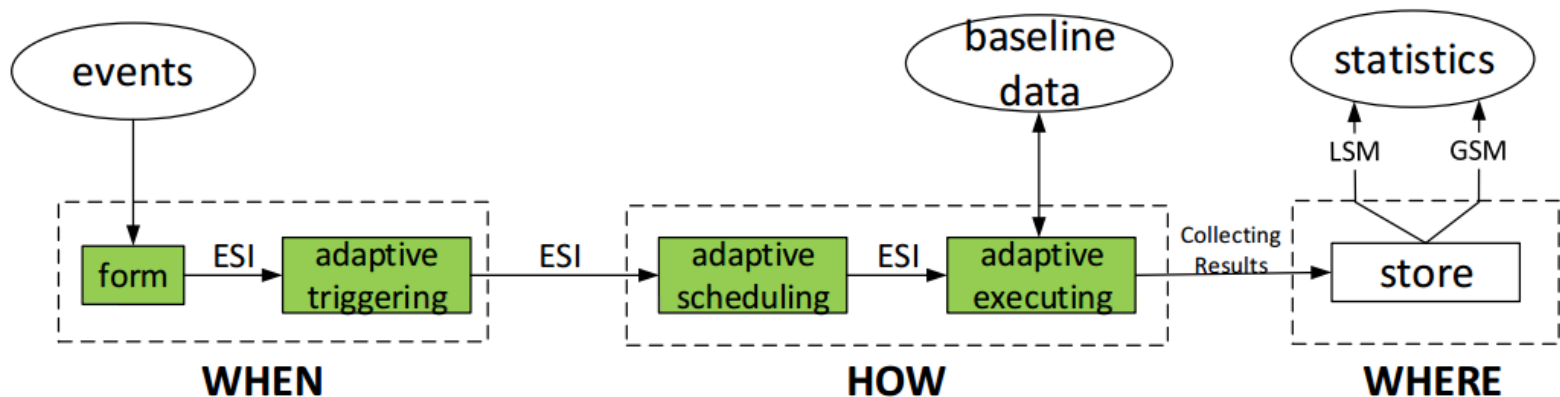
An adaptive strategy for statistics collecting in distributed database

Jintao GAO, Wenjie LIU, Zhanhuai LI

Frontiers of Computer Science, DOI: [10.1007/s11704-019-9107-z](https://doi.org/10.1007/s11704-019-9107-z)

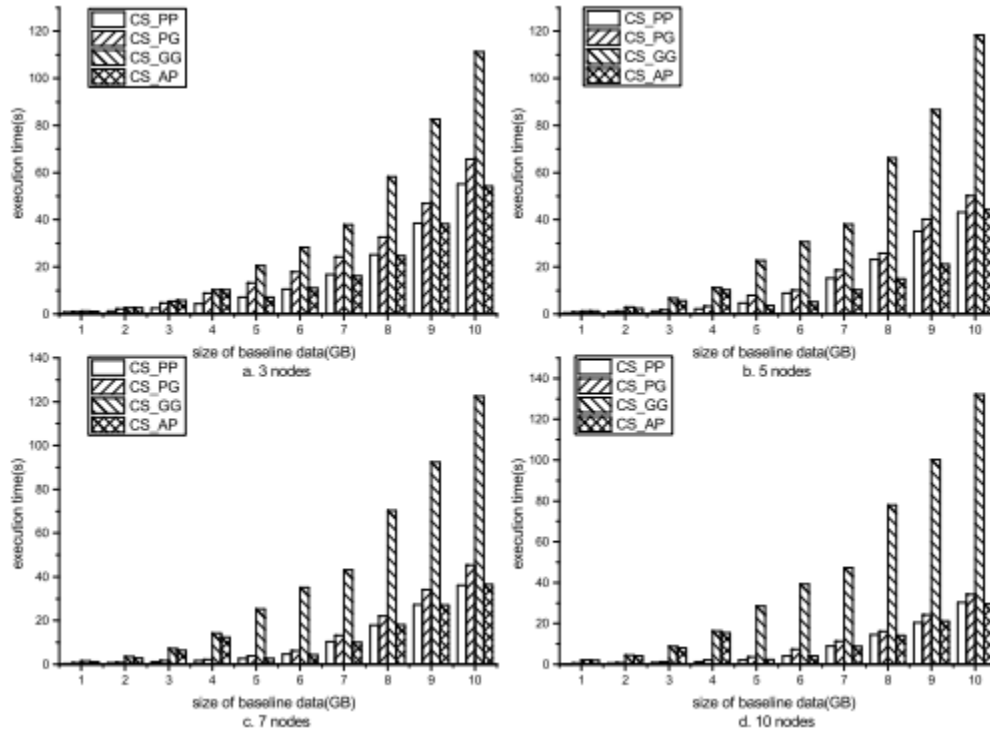
Problems & Ideas

- Problems of traditional statistics collecting in distributed database
 - concentrating on single dimension, such as efficiency or correctness
 - missing an important factor: effect to system performance
 - simple threshold of triggering collecting task
 - single executing model
- Ideas: Adaptive strategy for collecting statistics
 - balancing collecting efficiency, correctness and effect to system performance
 - building multiple thresholds based on rich information to more appropriately trigger collecting tasks
 - dynamically deciding executing model based on workload
- **The procedure of collecting statistics based on our strategy**



Main Contributions

- collecting efficiency



- effect to system performance

