

PFLOCK Report

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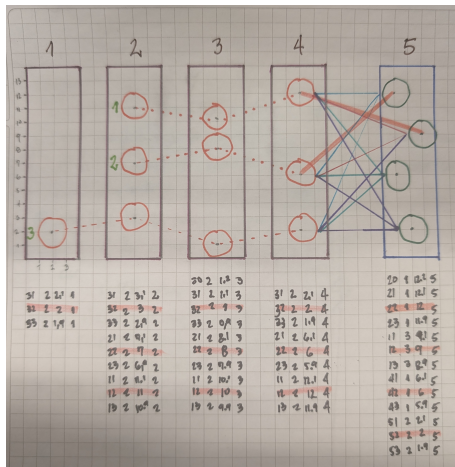
December 12, 2023

Testing BFE and PSI...

- ▶ Scala implementations for BFE and PSI (join between consecutive time instant and using inverted index).
- ▶ Some issues debugging special cases.
- ▶ Dealing with performance issues.

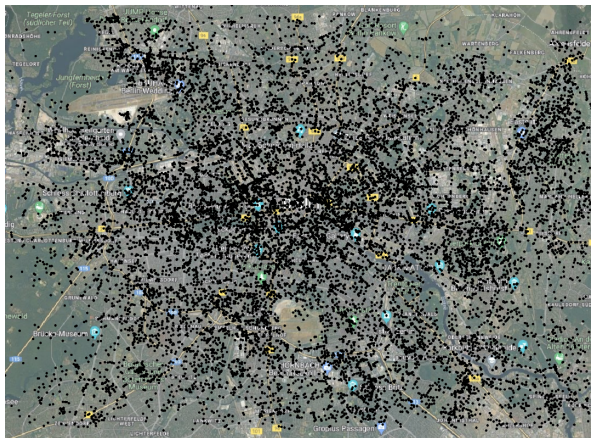
Testing BFE and PSI...

- Need to use dummy data to debug special cases...



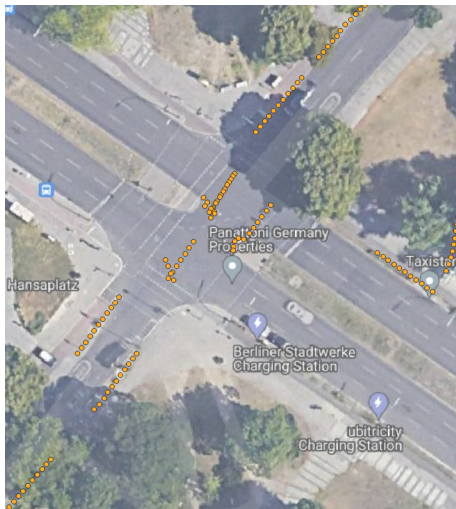
Testing BFE and PSI...

- ▶ Using intermediate dataset for scaling and testing...
- ▶ Berlin dataset: 10 time instants, 10K points per time instant...



Testing BFE and PSI...

- ▶ Using intermediate dataset for scaling and testing...
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What is next?...

- ▶ Currently debugging some errors (missing flocks) in Berlin dataset...
- ▶ Break down performance in Berlin dataset...
- ▶ Running performance experiments over L.A. dataset...