PFLOCK Report

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Working on Brinkhoff dataset

- ▶ Double-checking some figures. Length of trajectories (in time instants):
- Original dataset:

avg	min	max
2218.39	82	2665

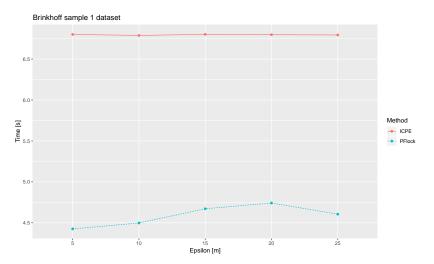
New dataset:

2 10 11 0400000000		
avg	min	max
556.40	1	1134

▶ I have prepared some notebooks with additional computations...

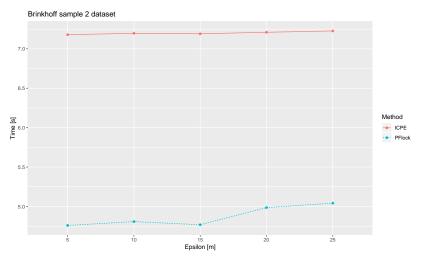
Performing experiments in Brinkhoff dataset

Sample 1: 100 Time instants from 0 to 100 (\approx 360 points per time instant).

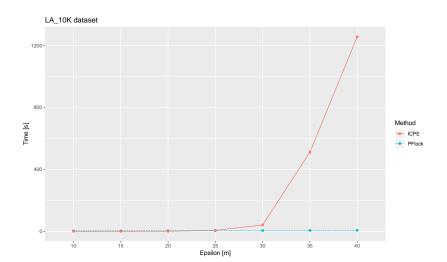


Performing experiments in Brinkhoff dataset

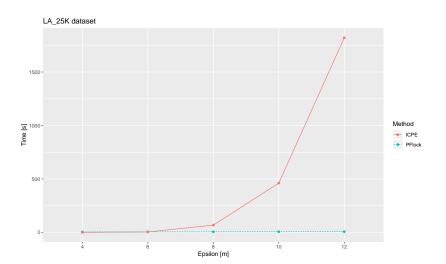
Sample 2: 200 Time instants from 44K to 44.2K (\approx 813 points per time instant).



Revisiting LA dataset



Revisiting LA dataset



What is next?

- ▶ I am still working on adapting the ID-based partititioning under the Spark Streaming environment. I have finished integrating the code but I am getting problems to coordinate the window operations and the ingestion of the data.
- ➤ Once it is fixed I expect to implement the Fixed Length Bit Compression method as proposed on Chen et al.