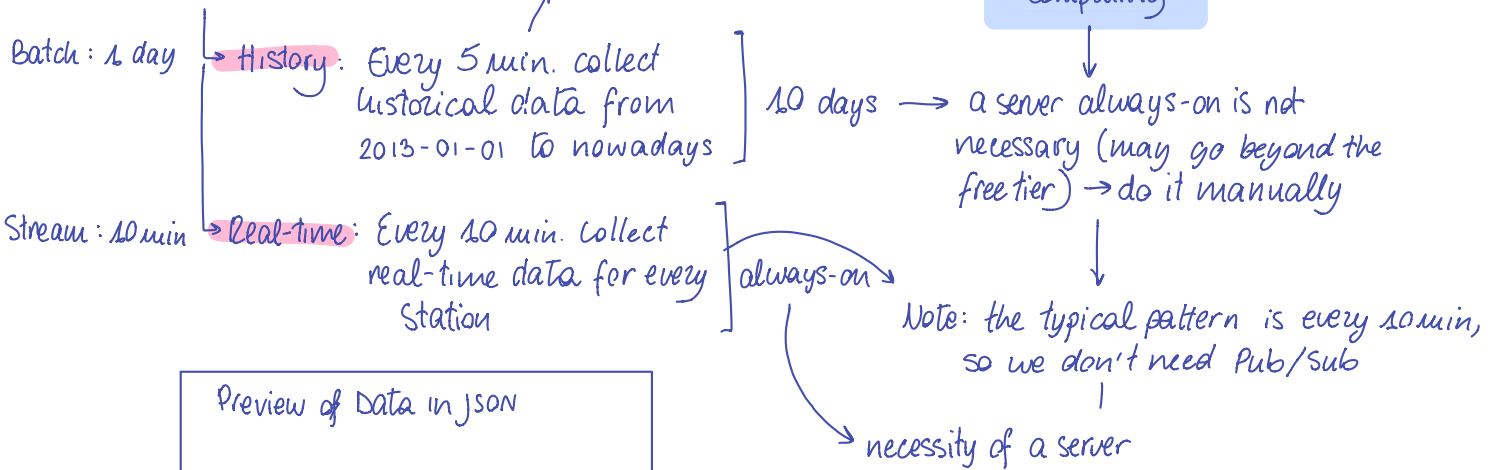


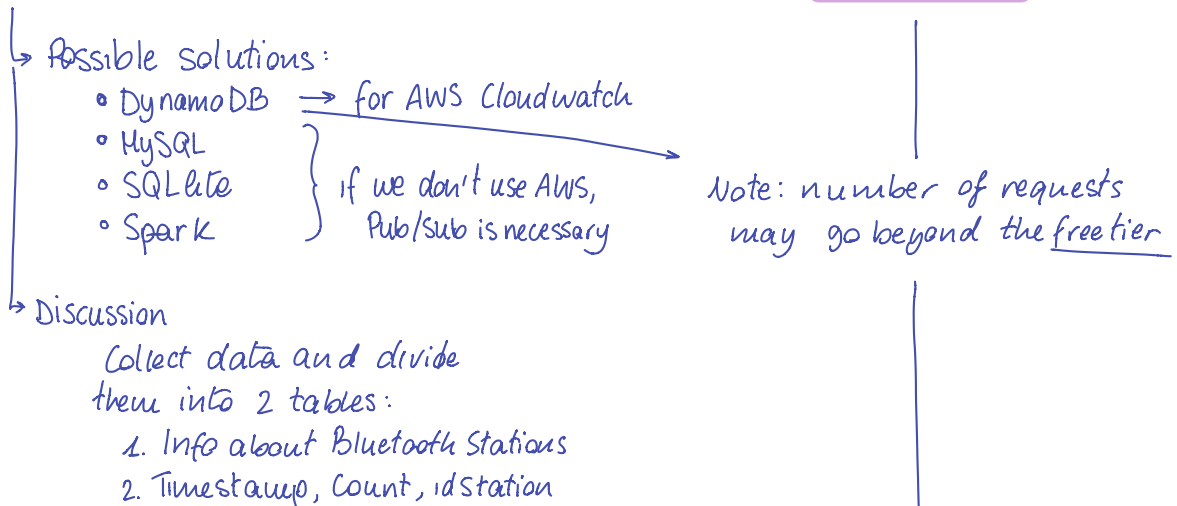
Traffic Data Pipeline

→ [3472 gb] allowed
→ [2920 gb] necessary

① Gathering Data



② Store Data



③ Query the DB

- AWS → boto3 module
 - MySQL → mysql
 - SQLite → sqlite
 - Spark → spark
- communication

④ Build Prediction Model

↳ state of the art
- Neural Networks

⑤ Store intermediate result of the model

↳ evaluate if necessary

⑥ Predict from place-hour

⑦ Result

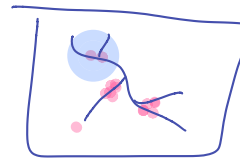
↳ interactive map of traffic

↳ choose time range
in terms of hour

Note: if we can compute distances
and paths, we can also communicate
future traffic

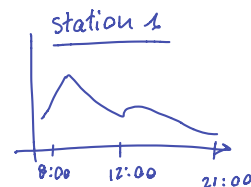
number of vehicles in a given
place at a given time

8:00



basic
result

graph with traffic
prediction for a place



Note: for the report, compute
accuracy of our model

+ always keep the map up-to-date

→ more important most recent
data than oldest ones.

Computation

storage

Computation

Communication