

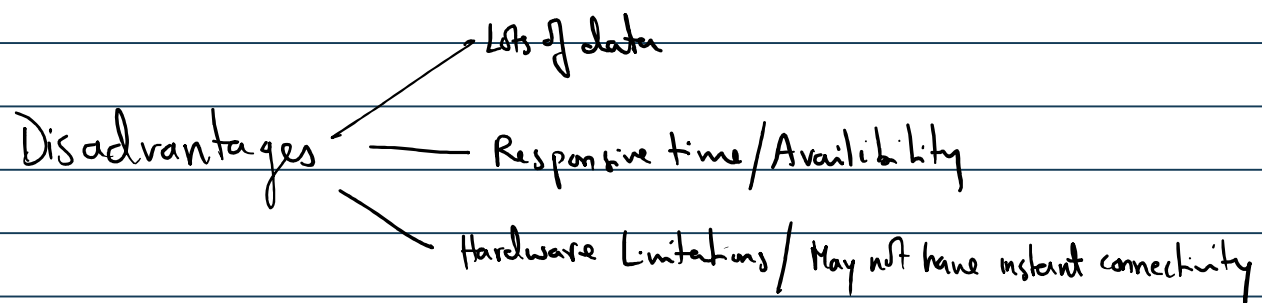
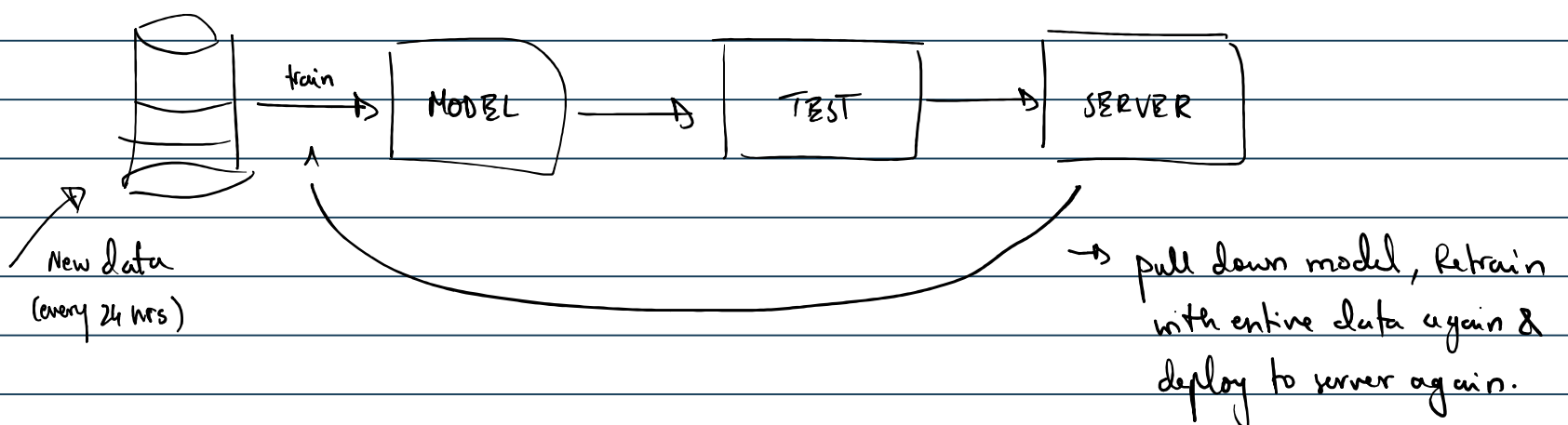
Offline vs Online Learning

Friday, 1 March 2024 7:51 pm

① Offline ML

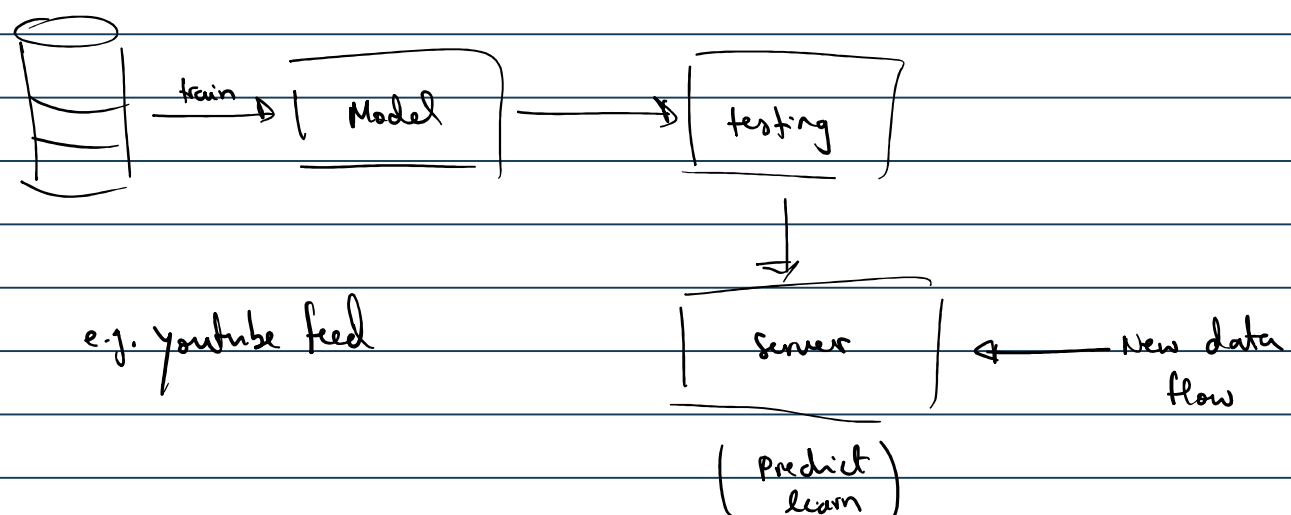
- Use all available data to train model at once
- No incremental training
- Retrain periodically as we get new data in flow

* out of core learning → How to deal??



② online learning

- On the go, ML model is trained on the server with new data and is improved.
- Incremental training / Batches of data
- Dynamical training



→ When to use?
 — Where there is a high volatility in data (stocks)
 — cost effective
 — Faster connection

→ Learning rate: How frequently will the model be trained, what is the optimal learning rate.

→ Disadvantages
 — Tricky to use
 — Risky
 — need to think about data filtration
 — active monitoring system