

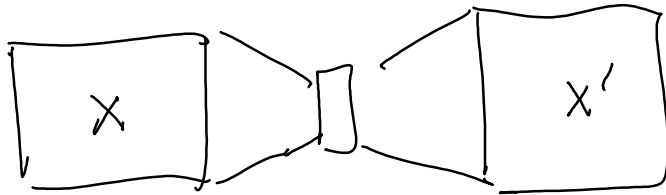
Wednesday, April 28, 2021 10:14 AM

Lecture 26

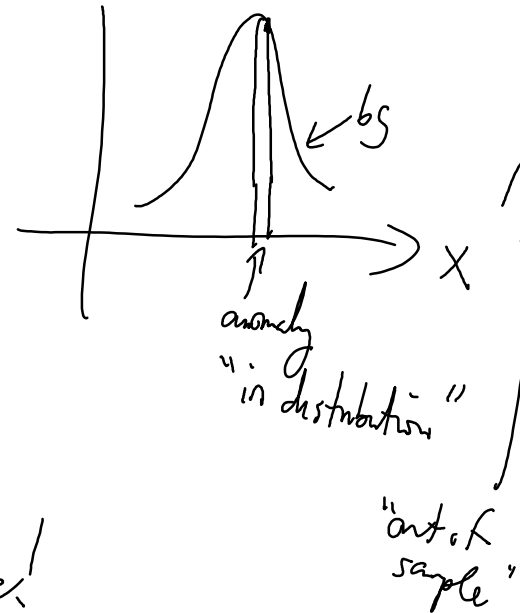
Autoencoders (reminder)

What if simulations are not reliable?

- Autoencoders
- CWOLA Hunting
- ANODE

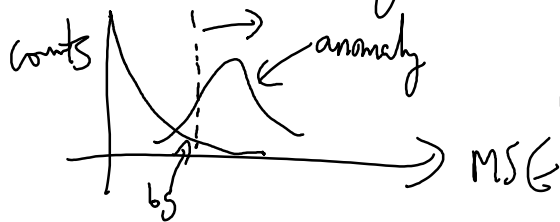


$$\text{Loss} = \sum_{i \in \text{data}} \text{MSE}(x'_i, x_i)$$



train an ML algorithm to map x back to itself.
 - train on background only (or data which is mostly background)
 then loss will be small for background.

When AE sees an "anomaly" \rightarrow large MSE, poor reco. perf.



\rightarrow use MSE as anomaly score!