



CS 839: Topics in Database Management Systems

Lecture 21: Auto-Tuning

Xiangyao Yu

11/15/2023

Logistics

Please [sign up](#) for paper presentations for the remaining lectures by Friday (11/17)

Please do not use ChatGPT to generate your discussion summary!

Discussion Questions

One idea is to use a standalone cloud service to monitor a database to make tuning decisions. What would be the disadvantages of this design compared to integrating the monitor inside the database? Are there ways to overcome these disadvantages?

A large system may have millions of internal and external knobs. What characteristics make a knob suitable for auto-tuning techniques?

Submit by **11:59pm CT on Thursday** (11/16). Title starts with “[Discussion L21]”