

DATA516/CSED516

Scalable Data Systems and Algorithms

Lecture 9

Administrivia

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- **Deadlines**

- HW4 Due: **Friday, December 2nd in Gitlab (+ 2 late days)**
 - **HW4-part 1 (Materialize)** is updated and now extra credit. Part 2 (Vertica) and part 3 (Datalog) are due as normal
- Project presentations: **Tuesday, Nov 29th (Today) + Dec 6th in class**
- Final project reports: **Tuesday, December 9th in Gitlab**
- **NO EXTENSIONS ON PROJECT DATES**

- **Final reports (make sure to include your name)**

- 4-5 pages in conference paper format and style
- Suggested outline on the course website.

Final Report

- **Evaluated Systems**
 - System Architecture/Systems/Dataset used
- **Problem Statement/Method**
 - What did you ask?
 - What did you try? (If it didn't work, why not)
 - What did you do? (Design Decisions)
- **Results**
 - Analysis (Quantitative and Qualitative)

Materialize Highlight

October 2022: Materialize => SaaS

Pubnub: Create streaming channels with live data

Materialize:

- Create Sources using the Pubnub Channels
- Create Materialized Views for the streams
- Write a Query (Joining the “tables”)
 - With Pure SQL + Materialized View (Updating Data)