Agenda

- Goals of the Seminar
- Logistics
- Topics
- Next Steps
- Grading
Goals of the Seminar

- Get a deep understanding of an advanced topic/paper in algorithms for database systems

- Focus on one technical paper/topic (not an overview of ten papers!)

- Give a talk on this paper, write a manuscript, lead the discussion
  - Present a result
  - Do not present a paper

- Act as a buddy to another student (read paper, read report, give feedback)
Topics

1. Architectures and Systems
2. Column Stores
3. Streams
4. Spark
5. Query Processing
6. Clustering

► VLDB
► SIGMOD
► ICDE
► KDD
► NIPS
► OSDI
► SOSP
Logistics

- **Prerequisites:**
  - Good understanding of database systems and of algorithms
  - Enjoy algorithms and database systems
  - Available on seminar days (SA April 13 and SA May 11)

- **Maximum number of participants:**
  - The total number of seminar participants is 18
  - Please decide now if you want to participate or not

- **Paper selection:**
  - We use RSD to assign 1) topics and 2) buddies
Next steps

- Read your paper (and related papers)
- Write manuscript (4 - 8 pages) on how would you present it: motivation, formal model, interesting proofs, main results
- Send your manuscript to buddy + the advisor 3 weeks before your talk
- Meet with the advisor and buddy 2 weeks before the talk
- Submit final version of manuscript 1 week before the talk
- Prepare talk, rehearse with buddy
- Talks: blackboard talk (30min, no slides) + lead discussion (10min)
Grading

- In order of importance:
  - Presentation
  - Manuscript
  - Buddy
  - Active Participation