A Farewell to Files and Databases

Final Exam: 12/7 in SN014 and FB009 from 12pm-3pm
Open book, open notes, open-internet
No human communication

~12 questions Jupyter Notebook
~9 covering materials since the last midterm;
~3 comprehensive
Grading Status

- **Midterm**
  - To my knowledge all issues are resolved and exams are graded

- **Problem Sets (lowest score is dropped)**
  - Everyone did well on Problem Set #6
  - Problem Set #5 graded soon! (today?)
  - All issues with other problem sets are resolved
  - Still needs grading (Done by Friday?)

- **Exercises**
  - You get 3 excused misses, the rest are 100% if turned in

- **If you still have issues see me after class today or during my office hours tomorrow**
Summary and What to study

- Relational Model
- Out-of-core sorting
- Normal Forms

- Structured Query Language
- Integrating Databases & programs
- NoSQL
  - BASE, MapReduce, Hadoop
  - Document Model
  - Columnar Model
  - Graph Model

- Database Indexing
- Query Evaluations
- Query Optimization
- Transactions and Concurrency

Emphasis

- 30
- 35
- 35