Redshift & Final Project

Monday, March 20, 2017
Agenda

• Announcements
• Redshift Primer
• Final Project Specs
• Final Project Setup Session
Announcements

• Midterm exam grades
• No reading quiz today
• Next class: guest lecture
Redshift Primer

- Amazon’s data warehouse database
- Derived from Postgres
- Does not support B-tree indexes
- Uses parallel processing
- Uses data compression (~3x)
- Uses columnar storage
- Distribution styles (Even, Key, All)
- Sort styles (Single, Compound, Interleaved)
- COPY, ANALYZE, VACUUM commands
- Workload Management (WLM)
- Denormalization (materializing views not supported)
What happened to referential integrity?
Demo 1: Launching a Redshift Cluster
Final Project Specs

http://www.cs.utexas.edu/~scohen/assignments/final-project.pdf
Demo 2: Connecting to Redshift