

# CS15-319 / 15-619

# Cloud Computing

Recitation 12

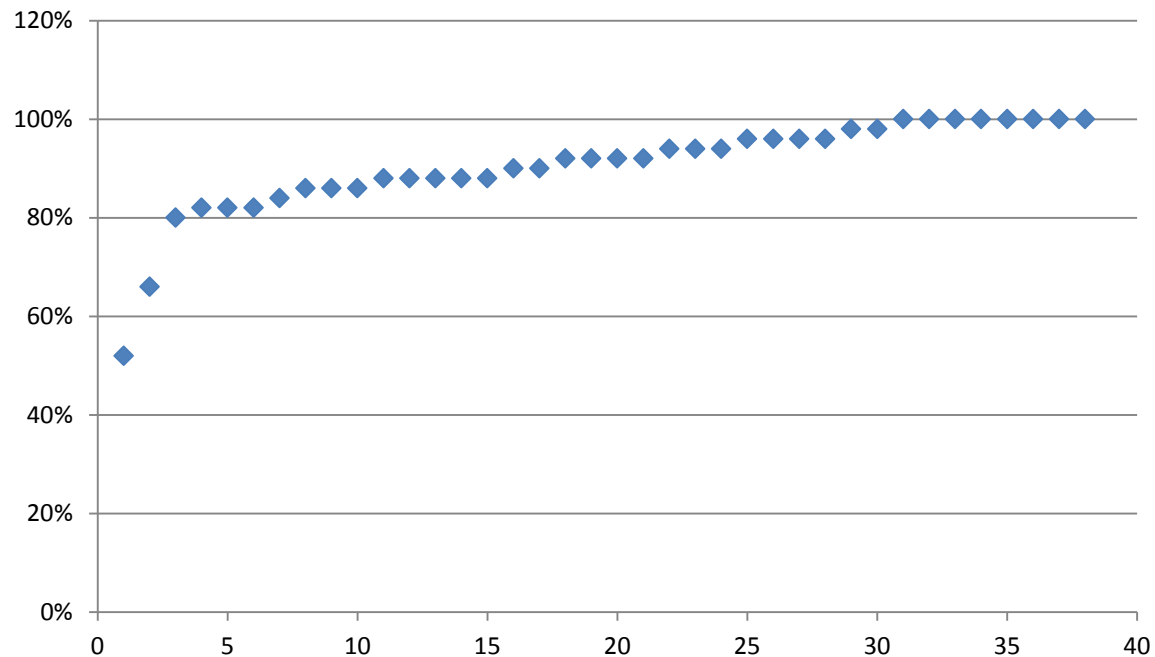
April 9<sup>nd</sup>, 2013

# Announcements

- **Open up S3 location of hand ins:**
  - Give access to your S3 bucket to:
    - public
    - [onlinecloudcomputingcourse@gmail.com](mailto:onlinecloudcomputingcourse@gmail.com)
  - You could lose credit or be penalized otherwise
  - See Piazza Post on how to open up your handin directory
- Encounter a general bug:
  - Post on Piazza
- Encounter a grading bug:
  - Post Privately on Piazza
- Post feedback on OLI

# Project 3 Student Progress

- Part 4: Amazon DynamoDB
  - 95% Students completed
  - Average score is 90% (for completed checkpoints)



# Can we use DynamoDB with the Songs Dataset?

- Yes, but it will not be efficient
  - It is fine for retrieval of individual tracks by `track_id`
- But it will be very slow for queries on fields
  - “Get me all tracks by Michael Jackson from the 80’s”
    - This requires a DynamoDB scan – very inefficient
    - DynamoDB scans will only return 1MB of data at a time

# New Unit, New Module

- Unit 5 – Distributed Programming and Analytics Engines for the Cloud
  - Introduction to Distributed Programming for the Cloud
    - Introduction
    - Taxonomy of Programs
    - Tasks and Jobs in Distributed Programs
    - Motivations for Distributed Programming
    - Models for Distributed Programming
    - Main Challenges in Building Cloud Programs

# Project 4

- Project 4, Part a
  - MapReduce
    - Apache Hadoop MapReduce
    - MapReduce Programming Examples
    - Writing your own MapReduce applications
  - Project 4, Part b Survey
    - Self-defined project
      - Data set
      - Algorithm
      - Team

# Discussions

- Your questions...

# Upcoming Deadlines

- Unit 5:

[UNIT 5: Distributed Programming and Analytics Engines for the Cloud](#)

[Module 18: Introduction to Distributed Programming for the Cloud](#)



- Project 4

Project 4

Module 29: MapReduce

Hadoop MapReduce

[Checkpoint](#)

**Available Now**

Due 4/14/13 11:59 PM



Module 30: Project 4 Survey

Project Survey

[Checkpoint](#)

**Available Now**

Due 4/14/13 11:59 PM

