

Initial Meeting 10/6/17

Friday, October 6, 2017 11:00 AM

Attendees:

Kirby Sand, Andy Weiss,
Alex Schultz, Dylan Davis, Trevor Hammock

Fall 2017 Week 2

Meeting times:

Wednesdays 11am @ HP
Check in by 10:50am

Focus areas:

- Figure out best way to store data
- Reduce I/O
- How does Oracle store data on the block
- Data compression / decompression efficiency
- CPU Performance

To look into:

- What happens to compression as block size increases?
- Is there a difference in performance if rows are entered in specific ways?
 - o What's the effect of reordering row input? (ABC vs. CBA)
 - o Randomly? (ABC vs. CAB)
- Effect of storing as ints, floats, or nums
- Can one normalize data efficiently?

Current environment:

- Database is run by 1 machine. 72 cores; 3TB RAM
- Currently store words as numbers to reduce size
- Queries may take up to 3 hours

Action items:

- Show up to next meeting 10/11/17
- Bring laptops

