# Initial Meeting 10/6/17

Friday, October 6, 2017 11:00 AM

## Attendees:

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

#### 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:

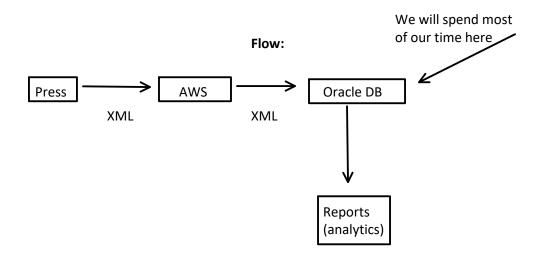
- What happens to compression as block size increases?
- Is there a difference in performance if rows are entered in specific ways?
  - What's the effect of reordering row input? (ABC vs. CBA)
  - o Randomly? (ABC vs. CAB)
- Effect of storing as ints, floats, or nums
- Can one normalize data efficiently?

## **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



Fall 2017 Week 2

## Meeting times:

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