

Recap of Sketching

- Broad set of techniques to shrink the data
 - Fast algorithms in Classic setting
 - Communication efficient algorithms in distributed setting
 - Memory-efficient algorithms in streaming setting

Complexity Measures

- Time complexity is not the only thing!
- Broadly, we care about the following:
 - Time Complexity
 - Query Complexity
 - Space Complexity
 - Randomness Complexity
 - Communication Complexity