

Challenges

- Classical
 - Algorithms that are fast
 - Algorithms that work in the given query model

- Streaming
 - Algorithms that work in memory-constrained settings

Challenges

- Classical
 - Algorithms that are fast
 - Algorithms that work in the given query model
- Streaming
 - Algorithms that work in memory-constrained settings

Sketching

- A broad set of techniques developed over last 20 years to handle large datasets
- Shrink the large dataset into a small dataset
- Efficiently perform computation on the small dataset

