



Complexity Measures

• Timeliness is not the only thing!

• Broadly, we care about the following:

• TimeComplexity: Total time, Update time, ..

Space Complexity

• Communication Complexity

• Randomness Complexity





# Complexity Measures

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

# Optimal Communication Bounds for Classic Functions in the Coordinator Model and Beyond

with Hossein Esfandiari, Vahab Mirrokni, David Woodruff and Peilin Zhong [STOC'24]