How is Sketching Useful?

Turnstile Streaming

• S can be stored using small space \Rightarrow Small space streaming algorithms!

• S_{*_i} can be retrieved quickly \Rightarrow Fast **update** times

How is Sketching Useful?

Turnstile Streaming

- S can be stored using small space \Rightarrow Small space streaming algorithms!
- S_{*i} can be retrieved quickly \Rightarrow Fast **update** times

Complexity Measures