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

Time Complexity

- Classic Setting:

  - Total time to output a solution

- Streaming Setting:

  - Time to process each update (update time)

  - Time at the end of processing to output a solution