This Talk

- Query Complexity lower bounds for Low Rank Matrix Approximation with applications to lower bounds for Low Rank Matrix recovery, with proof overview!

- Turnstile streaming algorithms with fast update times and optimal space complexity, just results :(

LRA via Linear Measurements

- Recover a low rank approximation for A:

$$\|A - B\|_2 < 2\sigma_{r+1}(A)$$

- How many linear measurements do we need?