



**LR Avia Linear Measurements**

- Recover a low rank approximation for  $A$ :



• How many linear measurements do we need?

• Directed acyclic graphs to Matrix Recovery

A

$$\|A - B\|_2 \leq 2\sigma_{k+1}(A)$$

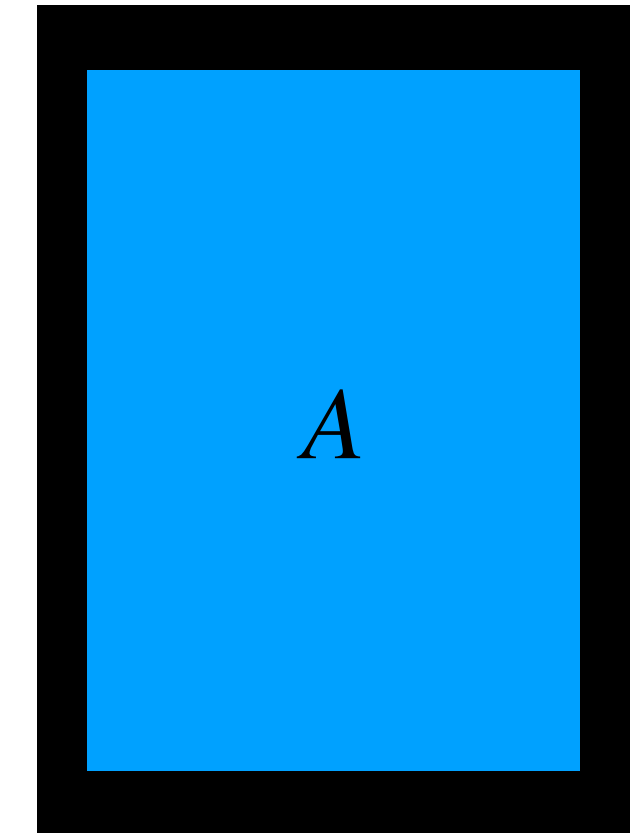


# LRA via Linear Measurements

- Recover a low rank approximation for  $A$ :

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

- How many linear measurements do we need?
  - Direct connections to Matrix Recovery



# LRA via Linear Measurements

Measure

$A$

with