



Sketching

• **Advances of techniques developed over last 20 years to handle large datasets**

Shrink the large dataset into a small dataset

• Efficiently perform operations on the small dataset

A

sk(A)





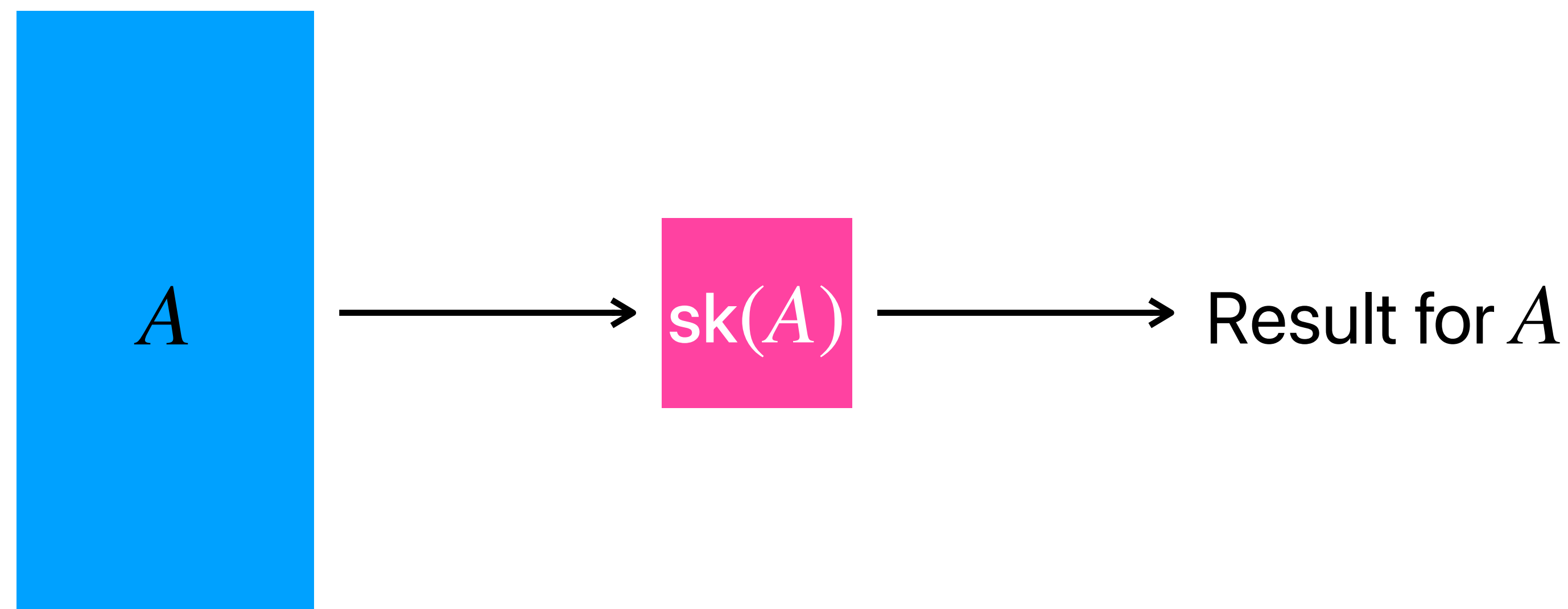


Result for A



# Sketching

- A broad set of techniques developed over last 20 years to handle large datasets
- Shrink the large dataset into a small dataset
- Efficiently perform computation on the small dataset



# Linear Sketching