

# Other Applications of Sketching

- **Classic**

- Ridge Regression [KW, AISTATS '20], [KW, ICML '22]
- Dimensionality Reduction for Sum-of-Distances [FKW, ICML '21]
- Reduced Rank Regression [KW, COLT '21]
- Fast and Small Subspace Embeddings [CCKW, SODA '22]
- PolySketchFormer : Linear Time Transformers obtained via sketching Polynomial Kernels [KMZ, ICML '24]
- Lower Bounds for Adaptive Matrix Recovery [KW , NeurIPS '23]
- Fast algorithms for Schatten- $p$  Low Rank Approximation [KW, '24]

# Other Applications of Sketching

- **Streaming**
  - Geometric Streaming Algorithms for almost Low Rank Data [EKMWZ, ICML '24]
  - Approximating the Top Eigenvector in Random Order Streams [KW '24]
- **Distributed**
  - Communication Efficient Algorithms in the Personalized CONGEST Model [EKMWZ, STOC '24]