Semester Summary

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Summary

- **Ongoing work**
  - **FastMatch: Adaptive Algorithms for Rapid Discovery of Relevant Visualizations**
    - Had to pivot to histograms in order to get it to work well
    - In the process, proved information-theoretically optimal upper bound on the number of samples needed before an empirically-learned discrete distribution is “close” (under L_1 distance) to the true discrete distribution from which it was sampled, with high probability
    - Uses several systems tricks to minimize the time needed before query results satisfy hard probabilistic guarantees
    - Shoot me a message if you’d like to take a look at a draft

- **Have a great summer!**