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GOALS

* Implement k-value numerical sort

RESULTS

I have fixed the numerical sort visualization. The visualization is correct now. When comparing the cancer dataset with the new visualization method and the old one, there is a different because, like we discussed, the old implementation was actually wrong. I was able to verify that the numerical sort visualization was correct with a particular dataset I created: it is 10-dimensions, and for each Hamming norm, there is a maximum vector and a minimum vector for a particular Hamming norm. Maximum vectors have a class of 1 (black), and minimum vectors have a class of 0 (white). Therefore, on each disk, the far right side should have a black bar and the far left side should have a white bar. It is easy to verify if the vectors are in the correct position.

Moreover, using this method I have found another error in the original program: the last vector in a dataset is not stored in the disk\_data data structure; therefore, it is also not visualized.

TO DO

* Implement k-value numerical sort visualization
  + Fix x-position calculation (if that is the problem)