KNN Tree Lab

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# Task 1: Implement Decision Tree

To start implementing the algorithm I decided to use the homework assignment. It was pretty easy to implement, but as I later found, I did not implement it very efficiently. I should have spent more time on this project, I did not utilize my time properly (especially the boon with the COVID-19 “spring break”).

But I got correct results for the provided data, as shown here:

--------------seismic------------

Accuracy = [93.57]

--------------evaluation-----------------

Accuracy=[89.06]

# Task 2: Magic Telescope

---------------magic-telescope------------

Accuracy=[80.83]

Accuracy N=[77.75]

As it is now, magic-telescope is still running the every-odd k value, and I do not know how far it has gone, except that it has been running for the past 100 minutes. The Accuracy N is using the normalized data. The accuracy has gone down with normalization, I believe that there was some data loss involved, and that may have made different tie-breakers between different neighbors.

# Conclusion:

I seem to consistently not allocate enough time for these, either programming features or for runtime. Nor enough time for writing a report. I hope to fix this, perhaps by talking with the TA’s more.