SuperUROP Log

* September: read related papers, including a chapter(s) on random forests, Danielle’s paper, and a chapter regarding use of regression trees for organ localization
* Tried to find a framework to use for regression forests, wanted to use entropy loss instead of MSE so we chose the Sherwood framework, also because it has more flexibility
* October: Start implementing the random forest. Demo code used a linear aggregator for the leaf nodes, I implemented a Gaussian 2D version.
* November: I then implemented a Gaussian nD version, using the Eigen library for linear algebra. Had some bugs due to dynamic memory (trying to allocate space when the size argument is undefined)
* December: started writing tests for my code, got rekt by 869 and 170 work
* IAP (?): finish test cases, change code to support multi-dimensional target value, have some way of outputting target distribution, feature selection
  + Jan 10: wrote some tests, pretty jank way of running them. Rebuild with a Tests.cpp instead of main.cpp, change dimension of Gaussian aggregator for RegressionGaussian