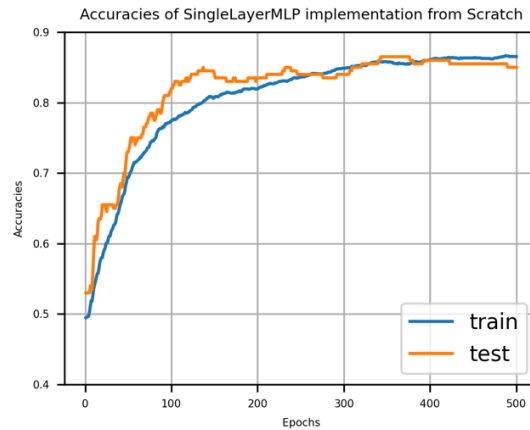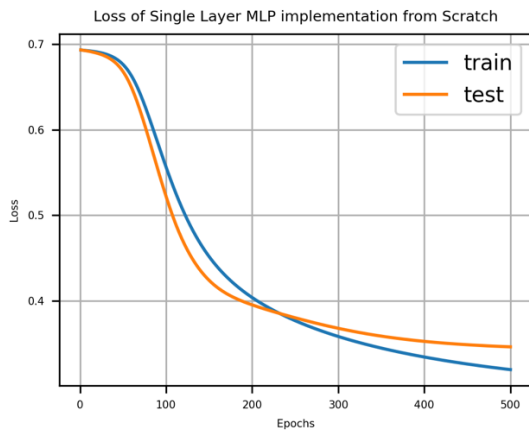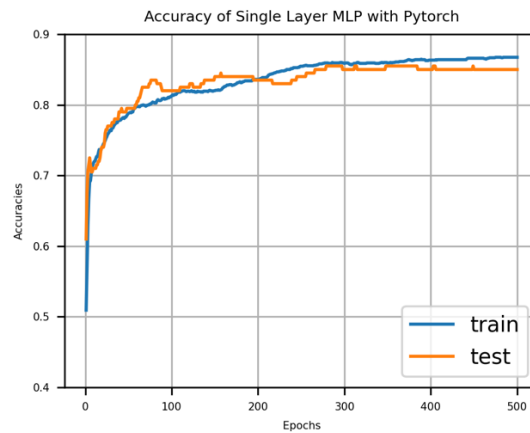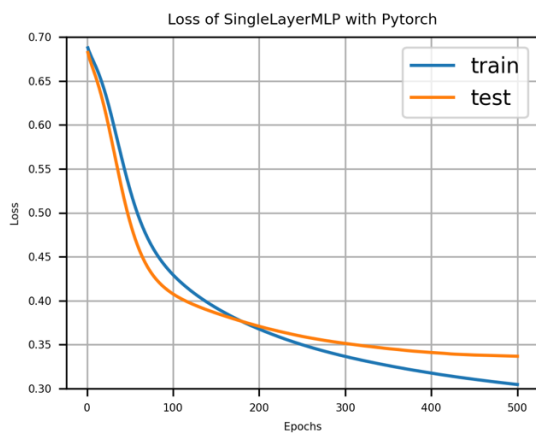Joon Jung
Neural Network course
Assignment 1


Results comparison of Single Layer MLP implementation by scratch vs Pytorch



Loss and Accuracy plot from Implementation from scratch




Loss and Accuracy plot from Implementation from Pytorch


Gladly, after many failed attempts, we can see here that they both show similar shapes. The test loss settles around slightly below 0.35, and test accuracy settles around 0.85 for both implementation by scratch and using pytorch. Looking at the shape, it does seem like the implementation using pytorch test accuracy manages the spike a bit faster than our implementation by hand. The accuracy of implementation by hand seems to dip down in accuracy just at the end. Both seem like they aren't overfitting, which is a good thing.

Appendix.

Many failed attempts…