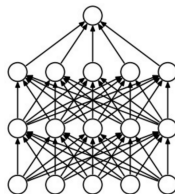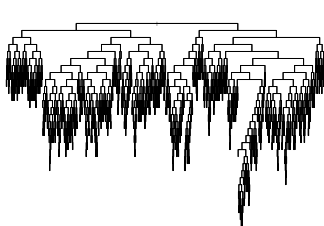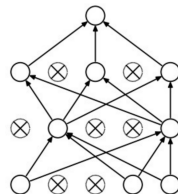# STP 494/598 Machine Learning

The computer age has opened the door to powerful new techniques for discovering high dimensional relationships. We will cover the basic topics: regularization in linear models, tree and ensemble modeling, and deep neural nets as well as selected other topics.

(a) Standard Neural Net   (b) After applying dropout.

https://www.cs.toronto.edu/~hinton/absps/JMLRdropout.pdf

For more information see http://www.rob-mcculloch.org/