**HW #3**

**CPS 584**

1. Use Keras Model with three layers of neural network to classify the dataset in HW#2 (for both questions). The first layer (input layer) has four neurons, the second layer has three neurons, and the third layer (output layer) has only one neuron. You should use at least two different activation function and two different optimization functions.

Explain your experience with this network in compare with the ones you did in HW#2 and also the effect of different activation and optimization functions.

Hint: Go over the following video

https://www.youtube.com/watch?v=bemDFpNooA8&ab\_channel=TensorFlow