Assignment 5: Code Review

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Nice that you have the answers in between the code cells, makes it easy to follow along what conclusions are drawn from the code that has been written. In task A when only one node was to be trained to fit generated data the cost for each iteration is included, but you should also include a plot with the predictions and data points.

In task 4 I would guess that the number of epochs used to train the networks could be reduced, 100000 seems to just take up time without improving the model. However this is hard to know since you did not include a plot that shows the cost at each iteration. This brings me to the next point that the plot of cost for each iteration could be included for each training. Also it would be useful to print the last cost so it is stated exactly.

In task 7 the plots of accuracy for training and validation should be in the same plot, and cost for the two datasets should also be in one plot so that they can be compared to each other. This is good to do to decide if the model is over or under fitted. You did include both graphs in the same plot for task 6 which is good.

The beginning of the code is well structured and the amount of comments is balanced and looks professional. However for task 6 the amount of comments go down. One example of this is when the model is trained in the for loop there is an if-statement which is not clear what it does, a comment would be useful to clarify the purpose of it.

For all tasks the code does what it intends to do and no errors are generated.

For task 7 it could be interesting to print a couple of images just to see what they look like, in the same way that was done with the 1D signal.