**Deep Learning**

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1. **What can be done with Multilayer Perceptrons, that isn't possible with a single layer of perceptrons?**
2. **You are working on a classification task with 100 inputs and 3 outputs. You are using a MLP with one hidden layer that contains 50 neurons. Your classification accuracy is 78%. Which hyper parameters could be adjusted to improve your model?**
3. **In your own words, what is back propagation?**
4. **Regarding Convolution Layers, what does the term 'patch size' mean?**
5. **What is Google's Inception Module and why would it improve on the convolutional layers you were show in class?**