CST 463 - Advanced Machine Learning

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# Lab: Regression with Keras

1. Look at the code I used for the lecture. The first part of the file is for regression.

[Keras feedforward notebook](https://drive.google.com/file/d/1J5NqIF1J8FeVhNarHpLKdFP41UITI-tu/view?usp=sharing)

1. Make your own notebook in Colab or Jupyter.
2. Starting from the top, copy from my notebook to yours, but type the code in by hand if it is Keras related. Do this up until the section 'Adding layers'. Run the code and make sure everything works.
3. Next add code for the section 'Adding layers'. After getting this code working, please experiment:

* change the number and size of the layers
* change the batch size
* change the number of epochs during training
* change the optimizer (for example, to 'adam')

1. Compare the results you get with the results from Keras (which is in the provided code). What is the lowest test RMSE you can get with a neural net?