CST 463 - Advanced Machine Learning

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# Lab: Regularization

Please work with your team. Try to answer without looking at the lecture nodes or other sources. If you can’t remember, discuss for a while with your partner before checking a source.

1. Here is a link to Chollet's code for an example in chapter 3 of his text:

<https://drive.google.com/file/d/1vt8zNjI4ieDFAANwE7vJFSZ0EfXFH7w8/view?usp=sharing>

1. Use Colab or Jupyter notebooks to load the code. Try the techniques described in lecture with this code:
   * Learning rate
   * Learning rate scheduling
   * Early stopping
   * Weight regularization
   * Dropout

Be sure to play with the hyperparameters of each mechanism.