

## CRUNCH Seminars at Brown, Division of Applied Mathematics

Friday – August 3, 2018

### Neural Networks 101: Implementing feedforward Neural Nets using TensorFlow

Lu Lu

In this tutorial, I will first briefly review the basic neural networks: feedforward neural nets (FNN). Then, I will demonstrate how to implement FNN using TensorFlow by a few examples (Bring with your laptop)

This tutorial is for absolute newbies, and if you are going to participate, please follow the instructions below:

1. Install Tensorflow (<https://www.tensorflow.org/install/>). Anaconda is recommended as always (<https://www.anaconda.com/>).

2. If you have little programming experience with Python. As a warm-up, try to solve the first five python challenges (<http://www.pythonchallenge.com/>).