

BIG DATA, MACHINE LEARNING, AND THEIR REAL WORLD APPLICATIONS

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Outline

Week 02, 07/05 - 07/11, Day 9

Thursday (Pre-Session Readings and Assignments):

- Prepare for class by individually writing down ideas for projects that can be conducted using some of the machine learning and deep learning techniques we discussed so far. (*... at least think of 3 solutions that can be developed*)

Thursday (morning session ~ 9:10am to 11:00am):

- Course Project Discussion and Commissioning of Individual Group Components to contribute to a distributed machine learning system.
- Discuss research and application ideas as a whole:
 - The problem should consist of multiple components that require machine learning to assist in the decision process. (*i.e. building a distributed machine learning system that consists of two layers to decide whether to buy and sell an asset.*)
 - Two machine learning models are required at minimum to support such a system. We will focus on conducting the research for the individual components on the project idea that the class agrees on.
 - We will divide into groups who will perform the research on the selected components.
 - Each group will present their results and the class as a whole will discuss the work.
- Review the project documentation contained in the course github repo @ folder labeled 10_project.

Thursday (afternoon session ~ 1:10pm to 3:00pm):

- Reporting Techniques:
 - (*Github*)
 - * Create an account.
 - * Create a repository (*repo*) for your course work and load any file you would like.
 - * We will discuss best practices for managing your repos.

Thursday (Post-Session Readings and Assignments):

- Keep writing down ideas that you'd like to pitch to the class and associate those ideas with a neat project name.