

IS 643 – Final Project

The goal for your final project is for you to build out a recommender system on Apache Spark.

There are three deliverables, with separate dates:

[1] Requirements document. Describe the system you’re going to build, including business goals, audience, planned data source(s). This recommender system should incorporate some contextual element, such as time, location, or social context.

[2] Implementation. In the second deliverable, you’ll build out the system that you describe in your requirements document.

[3] Presentation. Make a 3 to 5 minute presentation of your system in our final meetup. If you’re not able to attend the meetup, you’re responsible for either recording your presentation, or scheduling a one-on-one time with me to deliver your presentation.

Your project can either be delivered “in the cloud,” on a virtual machine (VM), or on a supported local machine. You should use this project to showcase some of the concepts that you have learned in this course, while delivering on the (probably) less familiar Spark platform.

I’m open to *pre-approved* compelling alternative proposals, such as implementing using Microsoft Azure ML Studio, or building out an application of a certain complexity using Flask, Shiny, or another tool.

Your code should be turned in an RMarkdown file or a Jupyter notebook, and posted to GitHub.

You may work in a small group (2 to 4 people) on this assignment.