ITU CS 5221 Final Project Plan

Dear Students,

The Final Project Plan assignment is due soon. The Plan should be about one page long and contain answers to the questions asked in the Final Project Assignment (found in Module 8 Final Project). Descriptions of the Final Written Project are also in Module 8. The plan should outline the work that needs to be done and also include a schedule for that work.

The simplest and easiest project would be to obtain some data and use the sample code provided in this course to manipulate that data. Create some graphs and perform some analysis similar to that described in the Data Exploration Lesson. This would be a perfectly acceptable project.

If you decide to do this easy final project, the plan must state what data you are planning to work with and where you will find that data.  It should also describe the types of analysis and graphs you are planning on creating.  It would also be nice if it contained a tentative schedule for implementing your plan.

Before beginning this assignment, check out the FinalProject.pdf attached to Final Project Assignment to see suggested resources for the Final Project. The FinalProject.pdf provides many references to places you can obtain data and also how to use R to obtain that data. It also contains references to many papers and journals. Finally, it indicates many packages you might want to investigate for your projects.

It is possible to scrape data from the web using R. There are API's that R can use to obtain data. Example API's include the following R packages: twitteR, RFacebook, Httr, and RGoogleMaps. Check out [FinalProject.pdf](https://s3.amazonaws.com/itu.ems3.production/attachments/000/261/379/original/FinalProject.pdf?1442174898) attached to the assignment: Final Project Written Report. This pdf contains many suggestions of places to obtain data and how to do it with R. Check out the tutorials at <http://thinktostart.com/category/r-tutorials/>

Many websites have places where you can download a .csv file.  This would be an easy way to obtain the data.

For those that enjoy a challenge, think about using some packages that won't be explored in this course.

I am looking forward to reading your project proposals.

Regards, Dr. Hoffman