

## **Project Milestone 1**

### **Individual Project Plan:**

I will pretty much follow the week 1 requirement. I am traveling this week and next week. Besides, I plan to travel internationally a few times for my work during semester, my family's international summer travel is part of summer plan as well. So, I expect my free time on course homework and project will be scattered and unpredictable, it will be easier for me to work independently.

### **Week1: Milestone 1:**

I will meet the requirement for week 1, like creating a project folder and refresh my knowledge on python etc. Also, I plan to tackle the project in weeks coming, most likely following the suggested schedules.

Another important piece is to set up software and packages, which is common for every new class so far. A happy software revision and environment will save a lot of time for later steps. The suggestions from internet and peers not always work, it normally takes days to fix the incompatible software packages or revisions.

### **Week 2-3: Milestone 2 / Peer Review**

While working on assignments on each week, I will aim to find a topic will impact me and commonly useful to other people as well. Then I will look for a few data sources early, searching for data and understanding the data.

Hopefully I will lock in a dataset by the end of week3 and keep another one as backup.

A peer review is needed as milestone 2 in these 2 weeks, which I treat as a learning opportunity and way to communicate with unseen classmate. I hope I can learn some ideas from the peer review, which will help to adjust/refine my project selection.

### **Week 4-7: Milestone 3 / Peer Review**

Continue working on the assignments each week. At the same time, I will spend time cleaning the data I chose and conducting the first round of analysis. I will spread the workload into these few weeks, so I have time to iterate if needed.

### **Week 8-10: Milestone 4 / Peer Review**

Continue working on the assignments each week. Also, another peer review will be done. By now, I will have enough reference points from peer review and enough confidence to get a clean dataset and get project goals refined. I will start to build whatever models I choose to implement and use them on my data. I'll then try to interpret my results and model evaluations.

I'll spend the last few weeks finalizing my project and writing my final paper. I will cover any ethical problems as well with the project.

The last 3 weeks will be crazy for me, since as part of my work, I will be in an Asia country pleasing a big customer, as well as going to another country to meet my big families. So, I will try to finish early and use few hours every week to polish my report, not to mention completing anything for class assignment. Looks like a video/audio presentation is required so I will prepare for that in advance before my trip, which I expect need a few rounds to polisher as well.