Capstone Requirements:

* Choose a Data Set for Capstone
* Write a half page proposal of what data set they will be looking at and what their focus will be
* Identify the business problem/idea they are analyzing
* Do exploratory data analysis
* Utilize Tableau and/or Excel to create visualizations and search for data insights
* Create a Model to support business idea
* Create a 5-7 minute presentation presenting a data insight

Notes

* Presentation and Tableau Visualizations should each be portfolio pieces
* Goal of presentations is to be comfortable talking about project to non technical audience

Data sets (students may choose other data sets with consent of instructor)

* <http://insideairbnb.com/get-the-data.html>
* <https://www.kaggle.com/olistbr/brazilian-ecommerce>
* <https://github.com/albahnsen/ML_RiskManagement/blob/master/exercises/10_CS_Churn.ipynb>
* <https://www.kaggle.com/c/ieee-fraud-detection/data>
* <https://www.kaggle.com/mlg-ulb/creditcardfraud>
* <https://www.instacart.com/datasets/grocery-shopping-2017>
* <https://www.kaggle.com/c/elo-merchant-category-recommendation/data>

Project Timeline:

* **Thursday 12/5**
  + Sean to introduce the different data sets
* **Monday 12/9** 
  + Initial Outreach to Mentor to set up first meeting
* **Tuesday, 12/10**
  + Students spend class time to comb through the data sets
* **Weds-Friday 12/11-13**
  + First meeting with their mentor
  + Send thank you note to mentor and set up their next check in
* **Friday 12/13** 
  + First check in with Andrew or Sean
* **Tuesday, 12/17** 
  + Final date to choose Data Set
    - Will need to slack to Andrew & Sean their choice
* **Wednesday, 12/18** 
  + Begin Daily Stand Ups 12/18 (what I did yesterday, what am I doing today, what are my blocks)
  + Business proposal idea due
    - Receive peer feedback on their ideas
* **Weds-Friday, 12/18-12/20**
  + Second mentor meeting to talk through student proposals and to help with blockage
  + Send thank you to mentor and set up third meeting with mentor
* **Friday, 12/20**
  + Second check in with andrew or sean
* **Thurs-Weds, 1/2-1/8** 
  + Third meeting with mentors for presentation feedback
  + Send thank you note to mentor and confirm their attendance at the capstone presentations
* **Friday, 1/3** 
  + Tableau Visualizations & Models due
* **Tuesday, 1/7** 
  + Practice Final Presentations
  + Receive presentation feedback from Arthur or MaryBeth
* **Wednesday, 1/8** 
  + Last day of class
* **Friday, 1/10** 
  + Optional 2nd practice presentation day
* **Tuesday, 1/14**
  + Final Capstone Presentations