**Weekly Report 11/18**

**MSiA-400 Group 1** : Ellen, Henry, Ishu, Enzo

Tasks Accomplished:

* Continue data engineering from last week.
* Research different clustering algorithms, including their pros and cons, hyper parameter, when to use and etc).

Lists of algorithm:

i. K Means  
ii. Hierarchical (Agglomerative Clustering)  
iii. Affinity Propagation  
iv. GMMs  
v. Other advanced methods (DBSCAN, OPTICS, Birch)  
vi. Cluster Ensembles

Link to the doc:

https://docs.google.com/document/d/1k8FSZkxuMiS-CMqSeYwnj56dR8GuCT275oWCek8Hq\_M/edit?usp=sharing

Plans for Next Week:

1. Continue join and combine the tables into one for further model building.
2. Further discussion about clustering methods.
3. Enjoy thanksgiving break!