**MA 615**

**Final project proposal**

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**Project description:**

For this final project, I use three datasets that contains series of information within San Francisco. There is a general fact that the exploration of certain area could influence related industries rise and down. Here, I plan to figure out the condition of city various facilities distribution.

First, I would do several EDA and then mapping, text analysis, PCA and other methods will be involved into this project.

The project’s result includes RMD, PDF report, shiny app, and the like.

Dataset overview:

**Sources:**

**All sources are downloaded from** <https://datasf.org/opendata/>

Speed-limit:

<https://data.sfgov.org/Transportation/Speed-Limits/3t7b-gebn>

restaurant:

<https://data.sfgov.org/Health-and-Social-Services/Restaurant-Scores-LIVES-Standard/pyih-qa8i>

Land-use:

<https://data.sfgov.org/Housing-and-Buildings/Land-Use/us3s-fp9q>

**Research question:**

* If there is a potential relevant among city facilities, speed limit and restaurant score?
* Which type of city facilities could influence the speed limit and restaurant score?
* The more restaurant score means more people visit, and accordingly lead the speed limit to a lower level?