Wk 3 Project Outline Worksheet V2([ThurMay26@9](mailto:ThurMay26@9):30pm)

We should probably keep these running notes in an Rmarkdown file, huh?

Step 0:

1. Create “Wk3Bronx” directory
2. subfolder/subdirectory “data”
3. *additional actions needed?*

*5/26 @9:20pm – Nathan went over this and emailed his code to the team. Chris W shared a team drop box folder titled “Wk3Bronx”*

*ACTIONS:*

*what is the “gather.R” file?*

*What is the “makefile”?*

Step 1. - Clean up data

1. write proper object to import data
   1. reference .txt file in directory
2. clean data -->Outliers, missing data, change inappropriate “0” to NA
3. *Additional Actions?*

*5/26 @9:20pm – Nathan went over this and emailed his code to the team. The .txt file from Dr. McGee explains this. STEP COMPLETE*

Step 2. How will we treat missing data/outliers?

1. Discussion
   1. proper objects/functions?

*5/26 @9:20pm – Nathan went over this and emailed his code to the team. Outliers are thrown out. Data with no value is NOT part of the analysis. STEP COMPLETE*

Step 3. Dates Format

*5/26 @9:20pm – More research necessary. (Nathan? Jessica?)*

Step 4 Class of all data correct?

*5/26 @9:20pm – Nathan went over this and emailed his code to the team. Dr. M “txt” file. STEP COMPLETE.*

**→ Step 5 – Create Analysis Directory**

1. put .R files into analysis directory
   1. have one file for neighborhood based analysis
   2. hove one file for time based analysis

*5/26 @9:20pm – Needs Action:*

*Salomon will work on the steps below (And share the code on drop box.)*

1. *Analysis1(price/sqft for individual neighborhood)*
2. *Analysis2(show transactions group by quarter)*

Step 6. - Analyze .R file over “neighborhoods” parameter (Saloman)

* price/sq ft for each neighborhood (histogram)
  + x axis neighborhoods
  + y axis price/sq ft

Step 7 – Analyze over time (Salomon)

* time based transactions by quarter
  + plot transactions by quarter??

Step 8 - explain patterns over data (Chris/Jessica?)

1. do this in R studio
2. knit into Rmarkdown
3. place knitted document into “Paper” subdirectory

WRITE CLUMPs into rMarkdown??

Step 9 – match directories on GitHub (everybody watch youtube how to start on GIT hub)

1. learn git up
2. upload

youtube → <https://youtu.be/73I5dRucCds>

(We will reassess this task on Monday after live sesson?)

Step 10 – Create final README document explaining everything (WED)