Organising Summer Research

Counts_prep.ipynb

- *Note: just be aware of the output files (output is input of the next)*
- Creates a graph of vancouver to calculate betweenness centrality
- Writes betweenness centrality to new sheet, then merges with a ‘main’ sheet
  - Uses ‘streetsegments.csv’ and ‘segments.csv’
- Merges graffiti counts
  - Uses ‘graffiti.csv’
- Calculates and merges homeless shelter counts
  - Uses ‘homeless-shelter-locations.xlsx’ and ‘junctions.xlsx’
- Calculates and merges traffic signal counts
  - Uses ‘traffic-signals.xlsx’ and ‘junctions.xlsx’
- Calculates and merges street light counts
  - Uses ‘street-lighting-poles.xlsx’ and ‘junctions.xlsx’

future_dataset.ipynb

- Updates counts with new transit stations
  - Uses ‘transit_stations.xlsx’
- ****Filtering/Cleaning for store counts**
  - ****NOTE, these were not used!!!**
  - Uses ‘business-liscences.xlsx’ and ‘cleaned_transformed_business_licences.xlsx’
- Calculates reaches for transit and stores
- Merges them
- Double checks that transit reaches changing properly

Merged_dataprep.ipynb

- Using Interpolation to fix missing values for neighborhood data, then merges
  - Uses ‘panel_dataset.xlsx’
  - Also uses ‘merged_Final_merf.xlsx’??

Visualizations.ipynb

- Visualizations for counts vs reach correlation matrices and scatter plots
  - Uses ‘final_dataset_count.xlsx’
  - Uses ‘Final_panel_dataset_reach.xlsx’

Reaches_calc.ipynb

- Calculates reaches for time invariant and time invariant using previous study’s calculations
- Uses ‘Final_dataset.csv’
- For time invariant, calculates for one year
- For time variant, calculates for every year and makes a spreadsheet for each one

Then converts all files to xlsx (instead of csv)