

# Projet Bike Sharing Washington DC

by Mathieu & Tarik

Stations

488

Trajets sur 2015, 2016, 2017

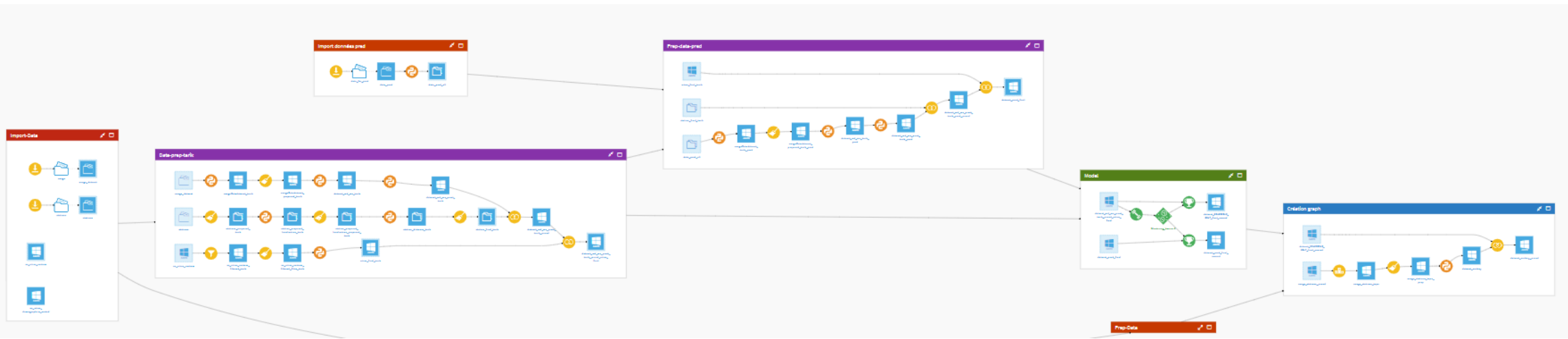
10.277677M

Villes

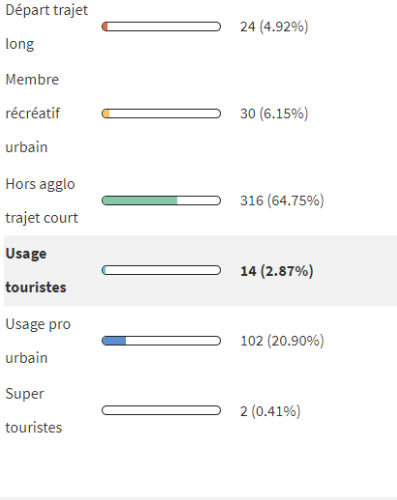
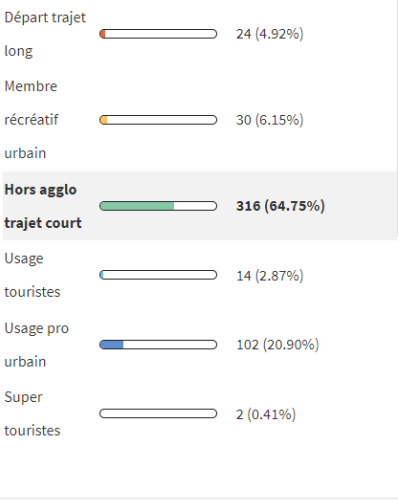
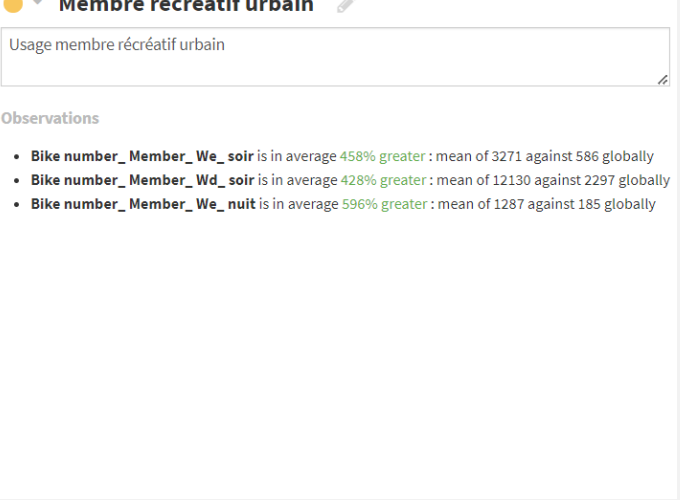
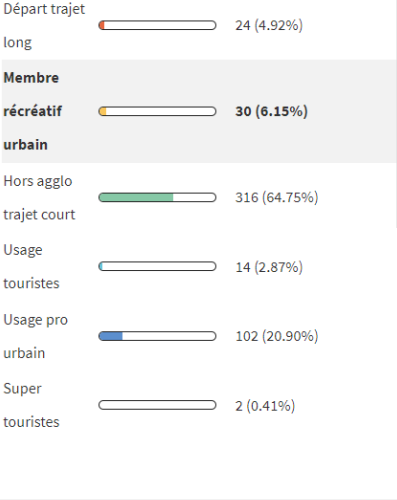
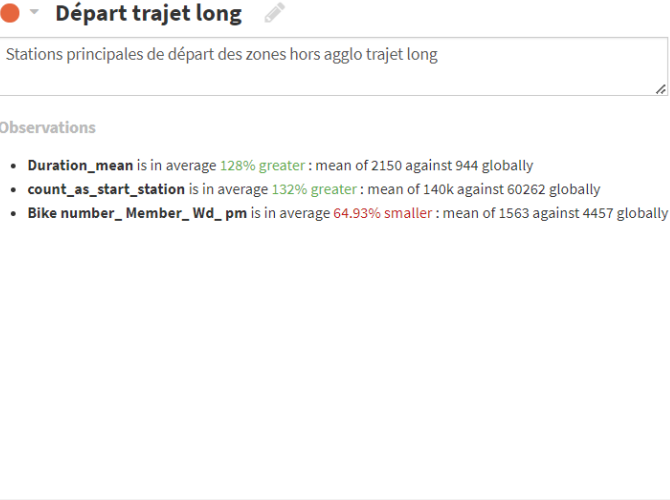
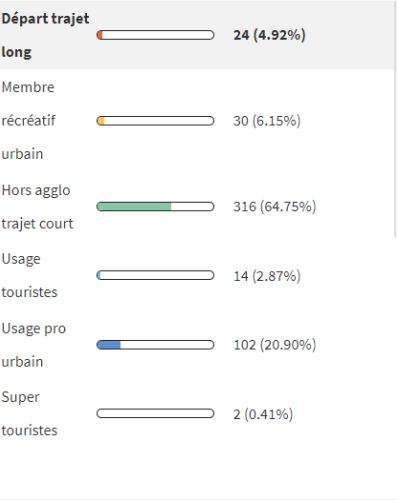
15

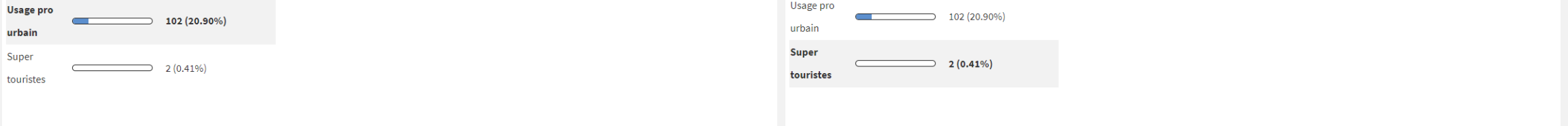
Etats

3

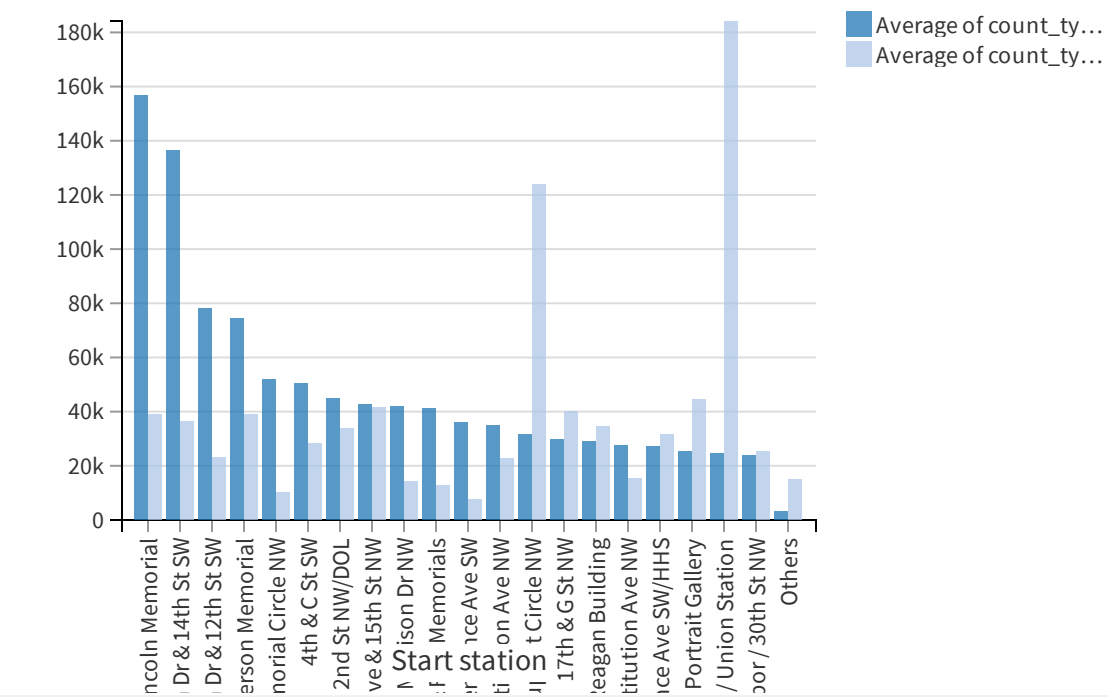


dataset_wd_we_pivot_tarik_joined_cities_final table				
Start station	Start station number	Bike number_ Casual_ Wd_ am	Bike number_ Casual_ Wd_ midi	Bike number_ Casual_ Wd_ nuit
12th & Army Navy Dr	31008	535.0	337.0	14.0
34th St & Minnesota Ave SE	31709			
47th & Elm St	32021	152.0	167.0	8.0
Broschart & Blackwell Rd	32030	6.0	4.0	
Columbus Ave & Tribeca St	32068	5.0	1.0	
Crabbs Branch Way & Calhoun Pl	32020	10.0	32.0	
Crabbs Branch Way & Redland Rd	32015	33.0	8.0	2.0
Key West Ave & Diamondback Dr	32072		1.0	

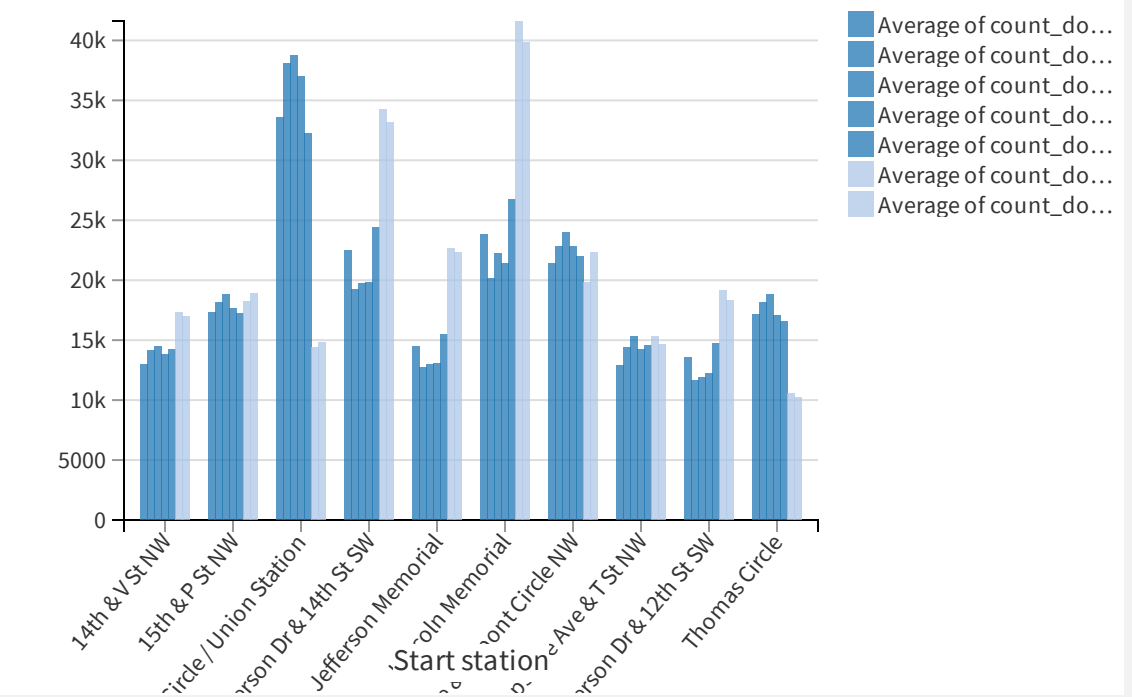




Avg utilisation des stations par type d'utilisateurs

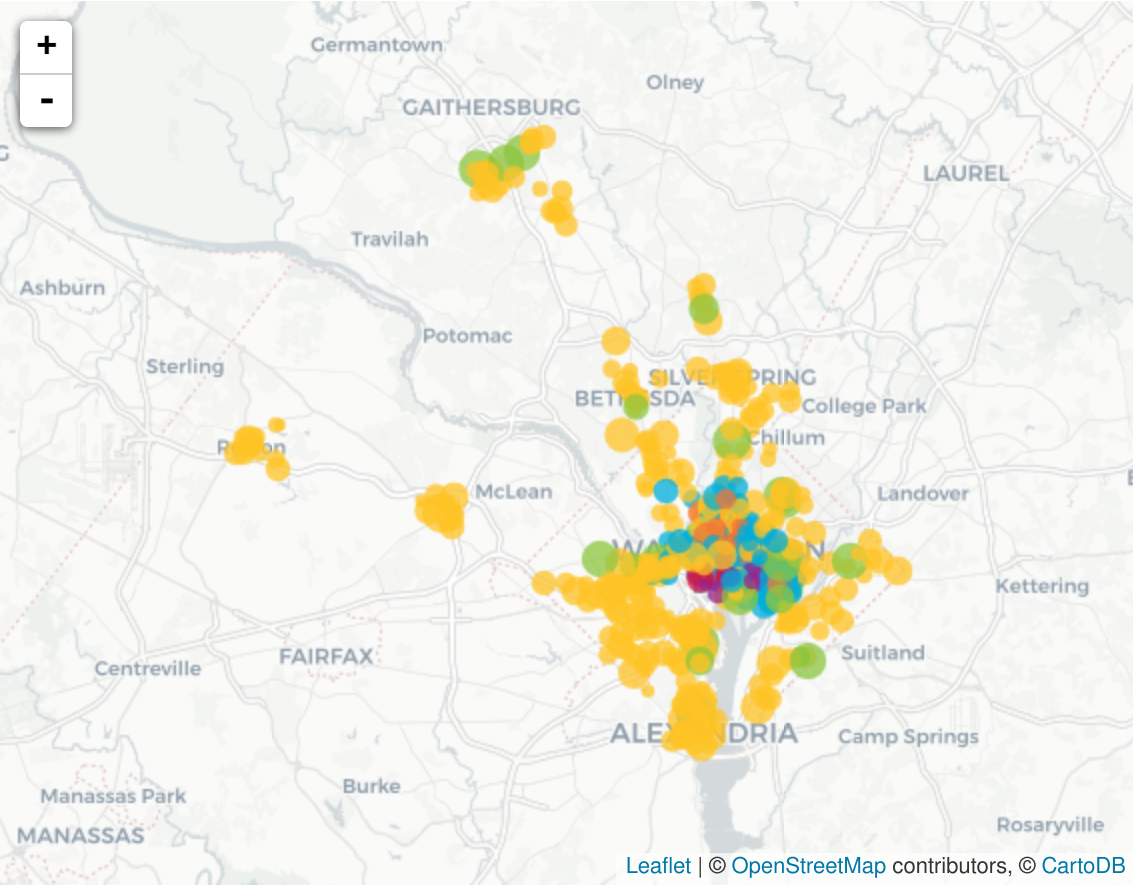


Avg utilisation des stations par jours semaine / WE

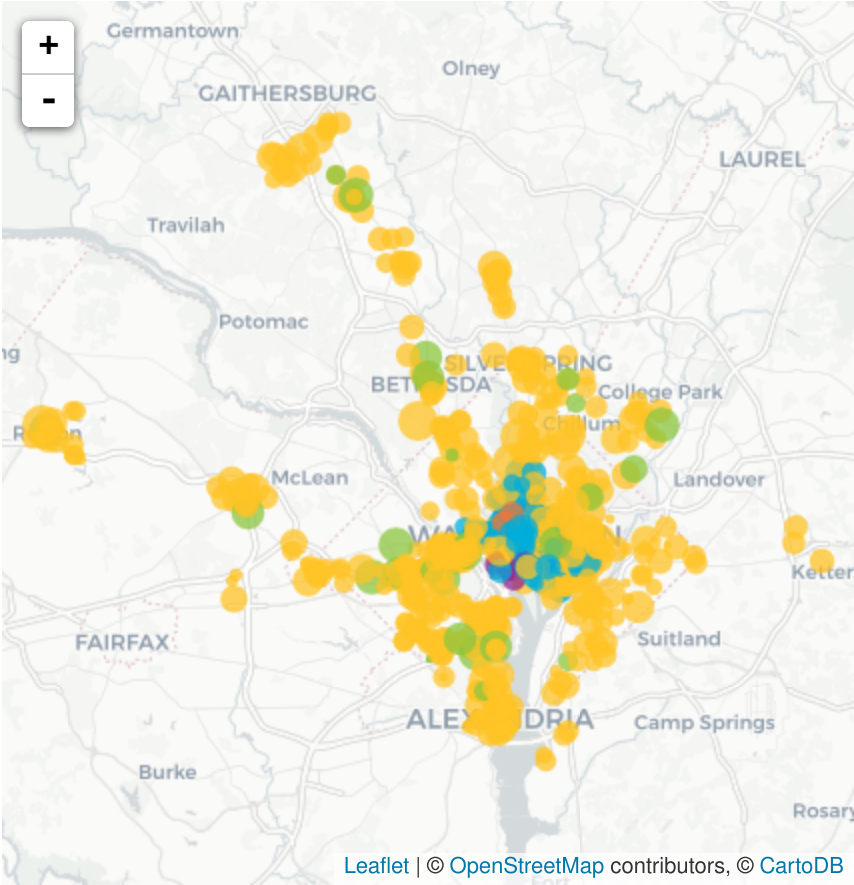


# Cartes des clusters

New chart on dataset\_201582016\_2017\_final\_scored



Station usage as start station 2018-2019 prediction



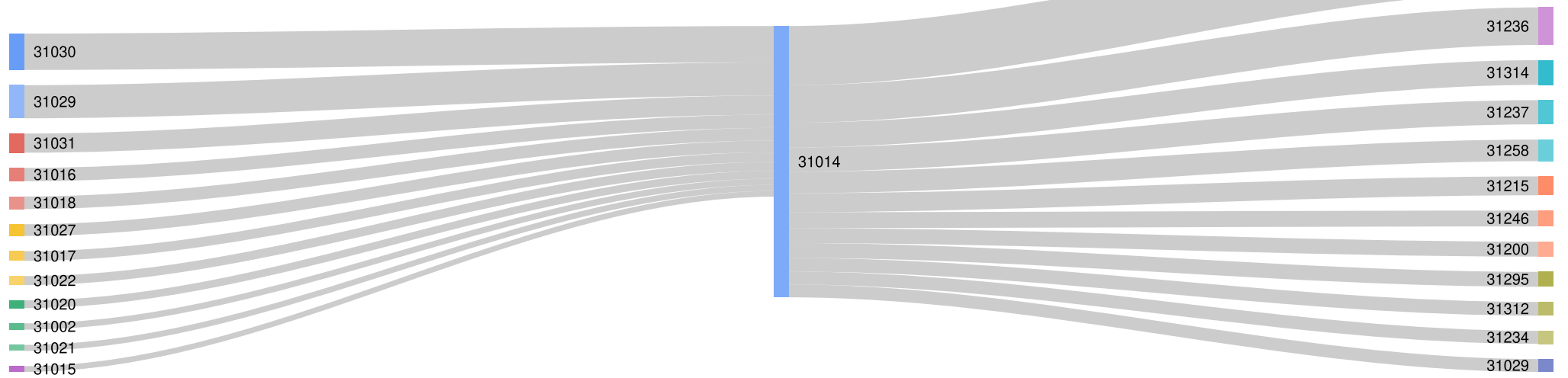
# Interaction <> Stations

Graph chart on dataset\_sankey\_joined



Sankey: browsable on dataset\_sankey\_joined





Localisation de la station 31014



Recommandations

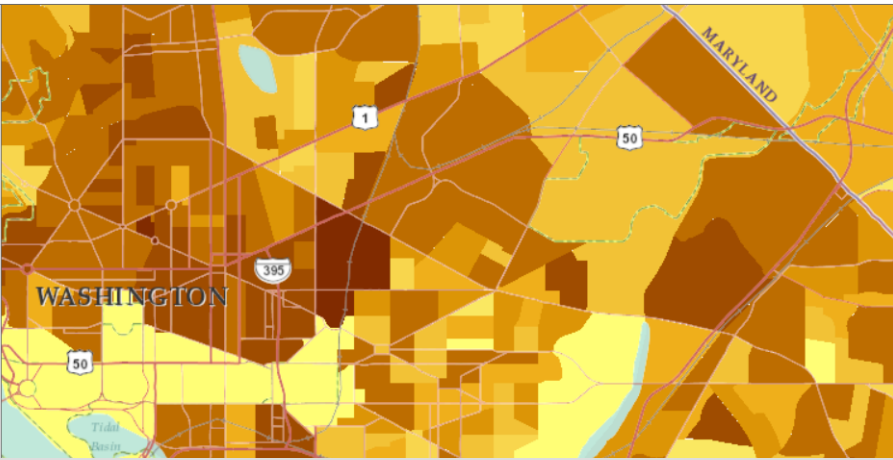
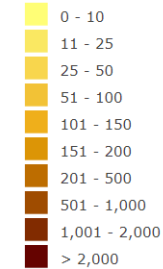
- 1 - Nous pouvons confirmer que les stations outliers appartiennent bien au cluster touristique, et quelles sont sous dimensionnées par rapport à leurs usages.
- 2 - En périphérie on observe des stations voisines et peu utilisées, le cas échéant redéployer leur capacités vers les zones où il y a des besoins.
- 3 - Ajout de vélos entre 7H et 9h et entre 16h et 18h sur le cluster Usage pro urbain.

- 1- Ajout de données météo ainsi que voir la saisonnalité par an.
- 2 - Voir les données socio-démographique de la régions.

SmartLocationDatabase

Zero car households

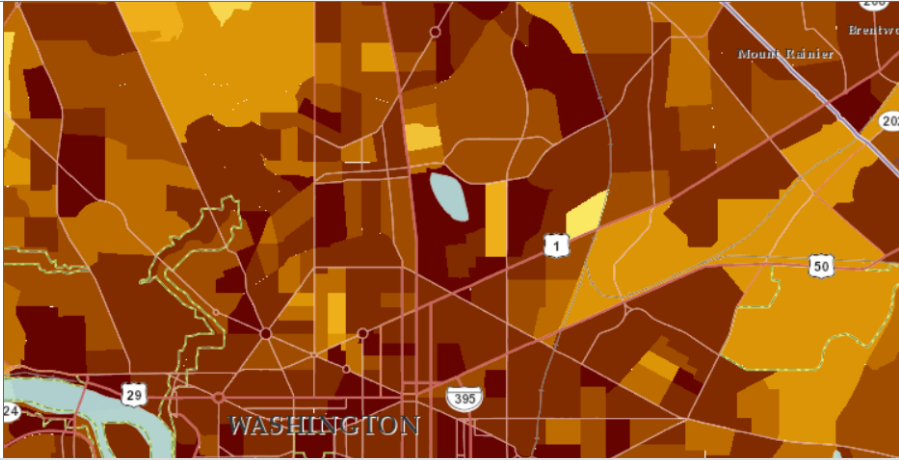
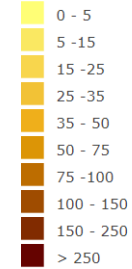
Number of households in CBG that own zero automobiles, 2018



SmartLocationDatabase

Street intersection density

Street intersection density (weighted, auto-oriented intersections eliminated)





Several variables related to the built environment, land use, public transit service, and accessibility to destinations

1mi



Several variables related to the built environment, land use, public transit service, and accessibility to destinations

1mi