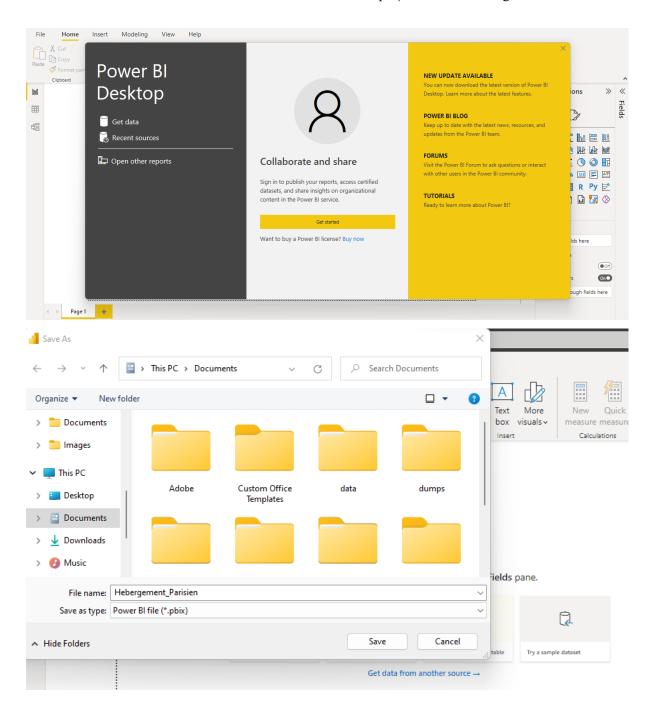
TP Business Intelligence

Objectif du TP : Utilisation de **Power BI** pour l'extraction et la transformation et la restitution de données à partir et vers des sources différentes.

Partie 1

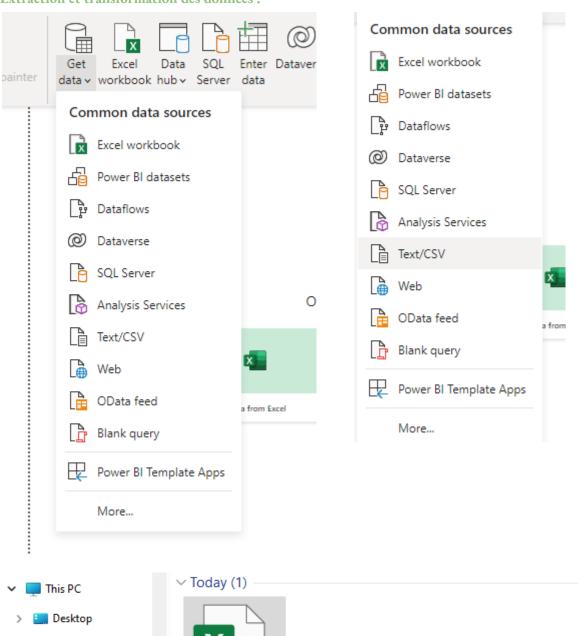
I. Installation et Démarrage :

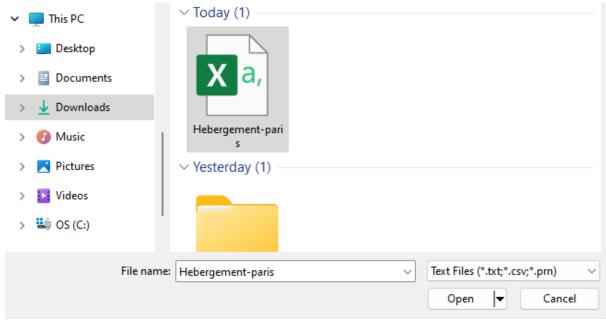
Une fois Power BI est installé, on le lance et on crée un nouveau projet intitulé "Hebergement_Parisien".

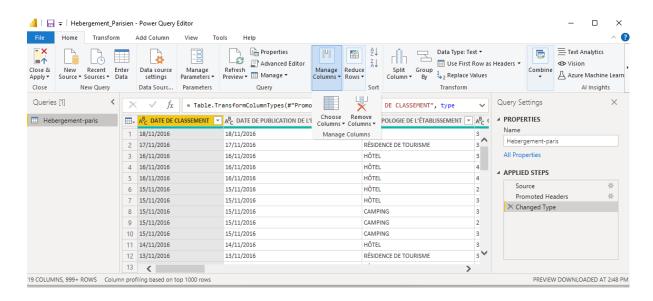


II. Préparation des sources de données :

Extraction et transformation des données :

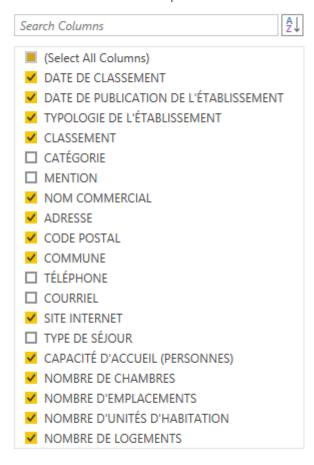


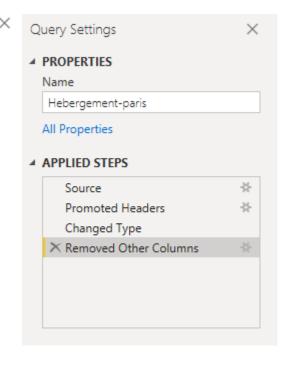




Choose Columns

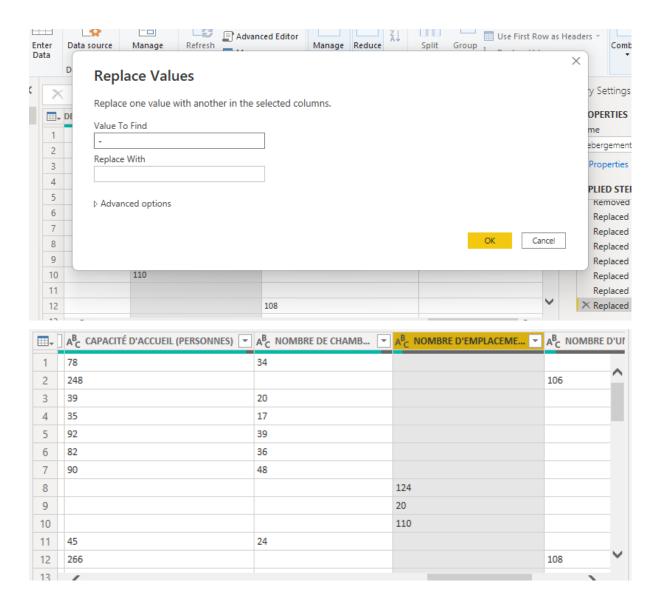
Choose the columns to keep



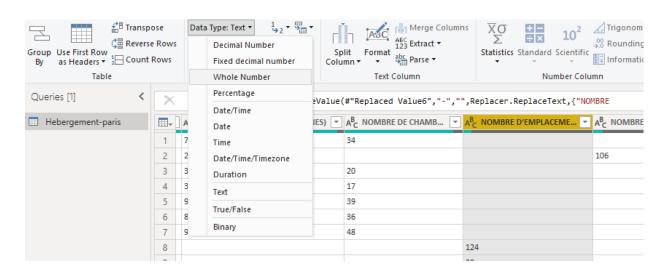


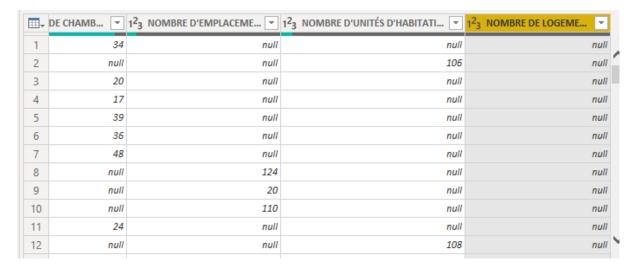
OK

Cancel

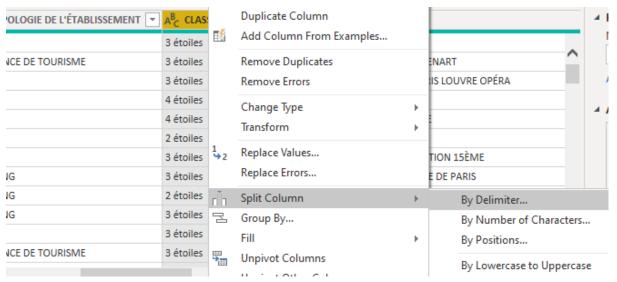


Transformer le type d'une colonne :





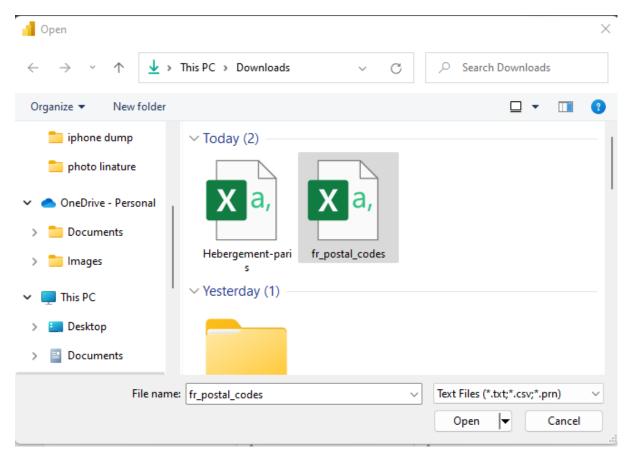
Fractionnement de colonne:



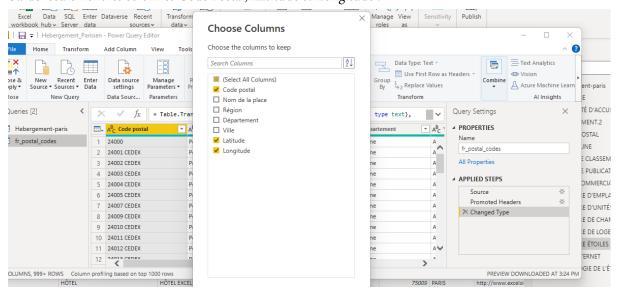
Renommer le nom d'une colonne:

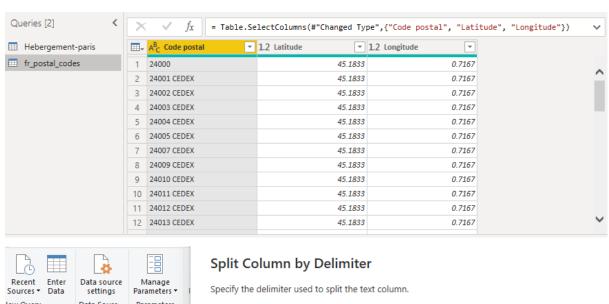


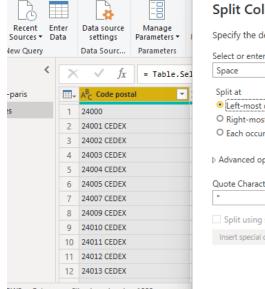
Maintenant, on va importer le fichier fr_postal_codes.csv.

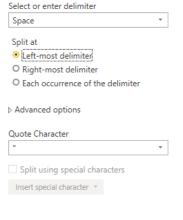


Garder seulement les colonnes Code Postal, Latitude et Longitude :

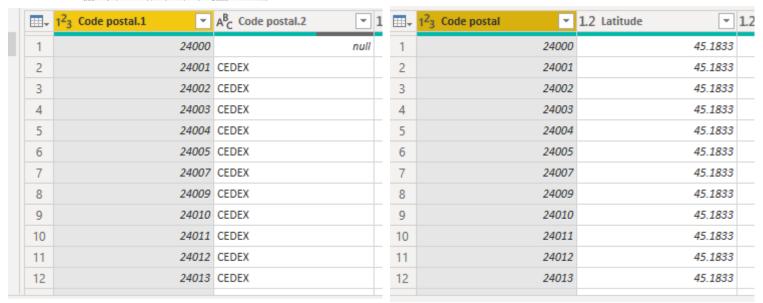


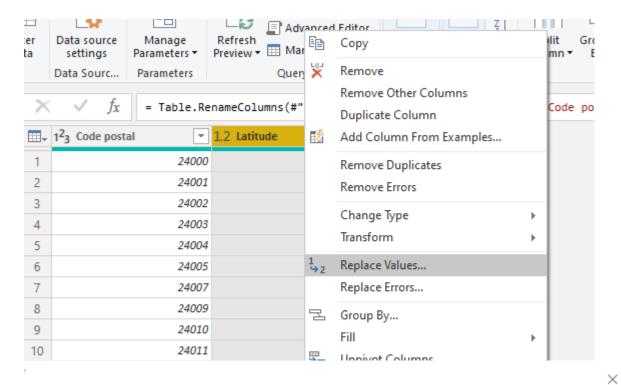






OK



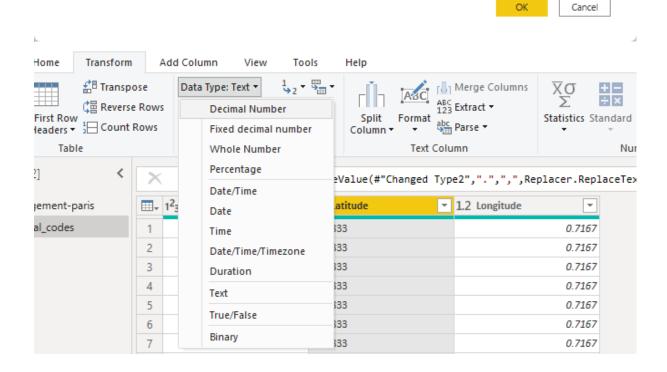


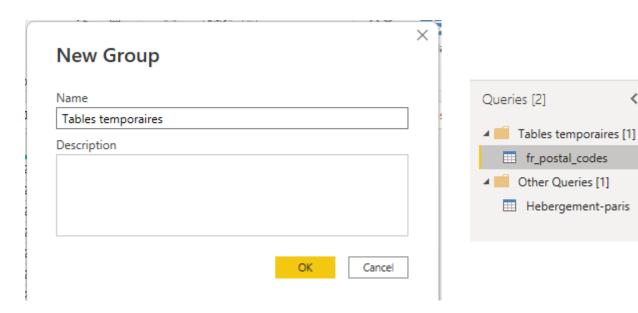
Replace Values

Replace one value with another in the selected columns.

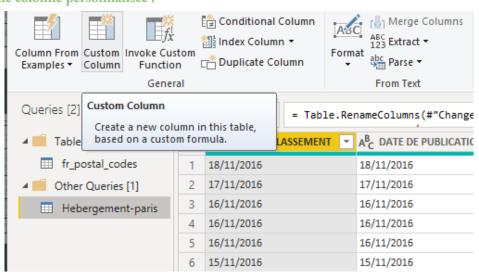
Value To Find
.
Replace With

Advanced options



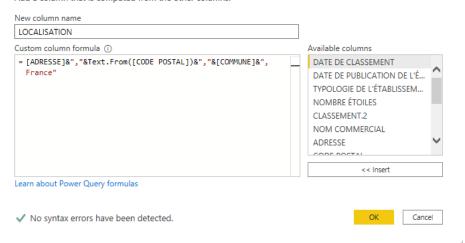


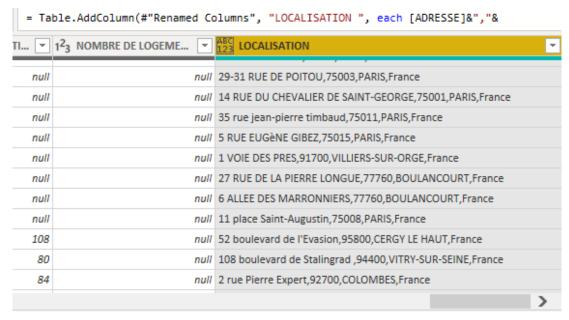
Ajouter une colonne personnalisée :



Custom Column

Add a column that is computed from the other columns.



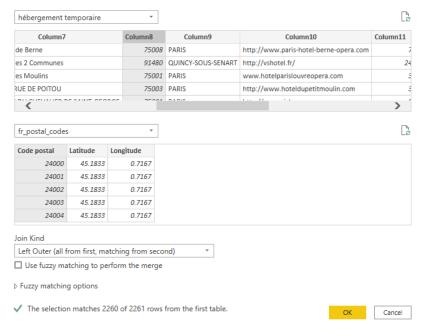


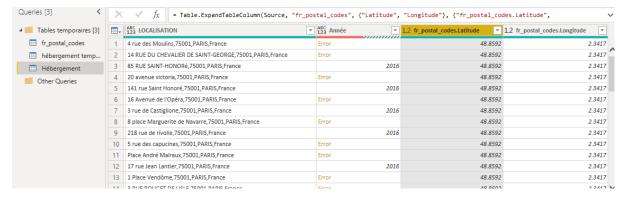


Créer une requête à partir d'autres requêtes :

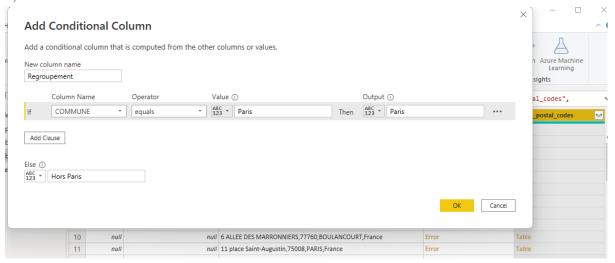
Merge

Select tables and matching columns to create a merged table.





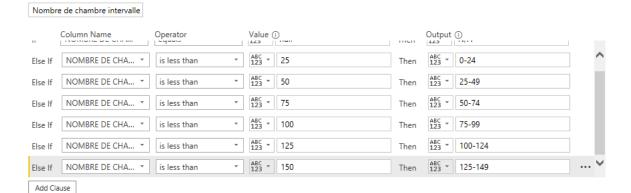
Ajout de colonne conditionnelle :



Add Conditional Column

New column name

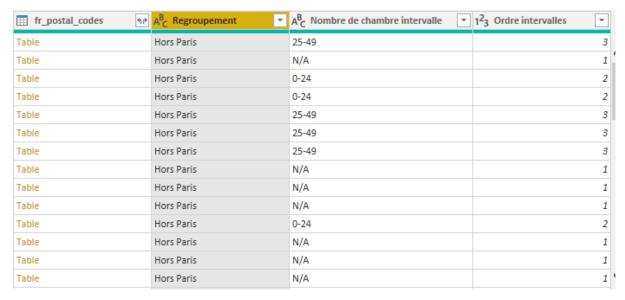
Add a conditional column that is computed from the other columns or values.



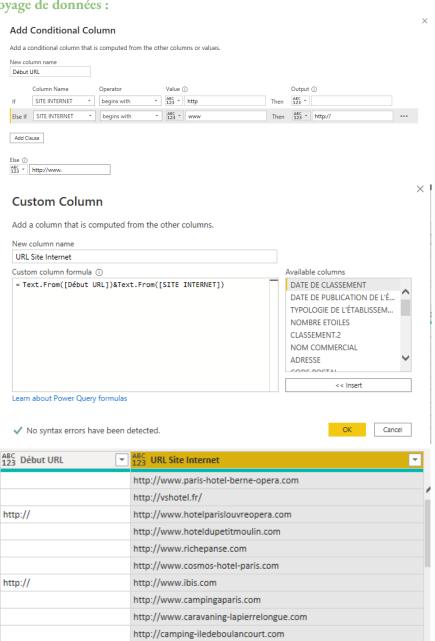
Else ①

ABC 123 * 150+

OK Cancel



Nettoyage de données :



http://www.hotelmalesherbes.com

Partie 2

I. Création de rapport :

Ajout de segment :

Evaluation des établissements

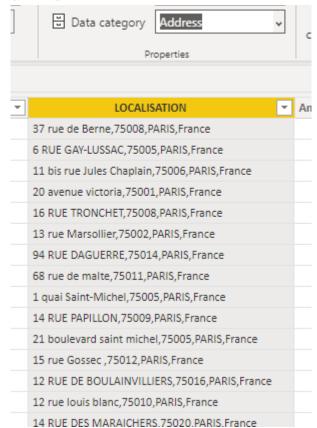
Année (Blank) 2011 2012 2013 2014 2015 2016	(Blank)		☐ CAMPING ☐ HÔTEL ☐ PARC RÉSIDI				Nombre de chambre intervalle N/A 0-24 25-49 50-74	
ext	→ ∑ Su	mmarization Don't summa	arize v					
→00 Auto	≎ ⊞ Da	ta category Uncategorize		Sort by	Data	Manage	Ne	
Formatting		Properties		column v CLASSEM	groups > FNT.2	relationships	colu	ions
romacing		roperties						
				CODE PO	STAL			
▼ Année ▼	Regroupement -	Nombre de chambre interv	ralle ▼ Ordre	COMMUN	NE			URL Site Inte
	Paris	25-49						iotel-berne-opera
	Paris	25-49		DATE DE (CLASSEMENT			uxembourg.fr
	Paris	25-49		DATE DE PUBLICATION DE L'ÉTABLISSEMENT			MENT	haplain.com
	Paris	25-49						oritannique.fr
	Paris	25-49		Début UR	lL.			iotel-massena.coi
	Paris	25-49		LOCALISA	TION			ouvremarsollier.co
	Paris	25-49						arnassedaguerre.
	Paris	25-49		NOM COI	MMERCIAL			pristol-republique
	Paris	25-49		NOMBRE	D'EMPLACEM	IENTS		otredameparis.co
Paris		25-49		NOMBRE D EMPEACEMENTS				el.com/fr/h/9-ho
	Paris	25-49		NOMBRE D'UNITÉS D'HABITATION				paris-hotel.com
	Paris	25-49 NOMBRE DE CHAMBRES				r/		
	Paris	25-49		NOWBRE DE CHAWBRES				ennedy.com
	Paris	25-49		NOMBRE	DE LOGEMEN	ITS		otels.com/fr/hot
	Paris	25-49		NOMBRE	FTOURS			:amaris.fr
	Paris	25-49		NOMBRE	ETOILES			otels.com/fr/hot
	Paris	25-49		Ordre inte	ervalles			bastille.com
	Paris	25-49						melot.com
	Paris	25-49		Regroupement				otels.com/fr/hot
	Paris	25-49		SITE INTE	RNET			iceiffel.com
	Paris	25-49					utriangledor.com	
	Paris	25-49		TYPOLOG	IE DE L'ÉTABL	ISSEMENT		france-hotel.com

Ajout d'une carte de données :

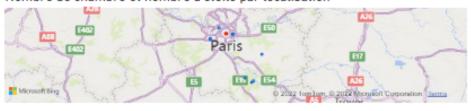
Evaluation des établissements

Année (Blank) 2011 2012 2013	7	TYPOLOGIE DE L'ÉTABLISSEMENT ☐ HÔTEL ☐ RÉSIDENCE DE TOURISME	
2014 2015 2016	Nombre d'évaluation		7 Nombre de chambre
Regroupement Hors Paris Paris	2 Nombre d'étoiles	Nombre de chambre intervalle N/A 0-24 25-49 50-74	

Insertion d'une carte géographique:



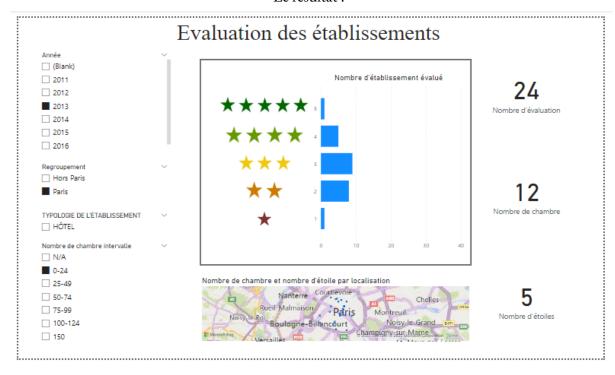
Nombre de chambre et nombre d'étoile par localisation



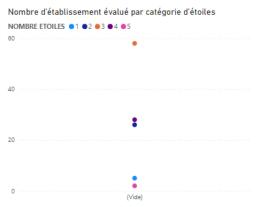
Insertion de forme:

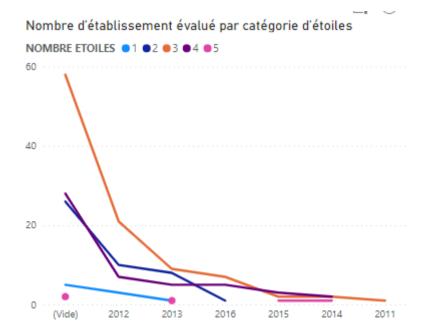


Le résultat :

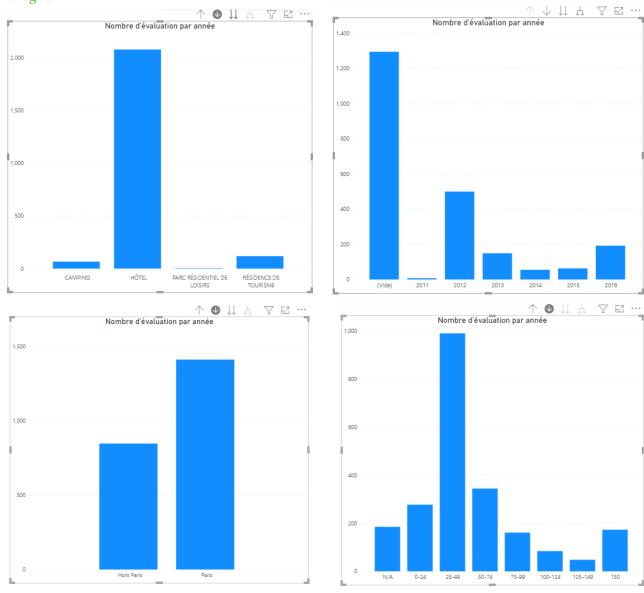


Insertion d'un graphique en ligne :





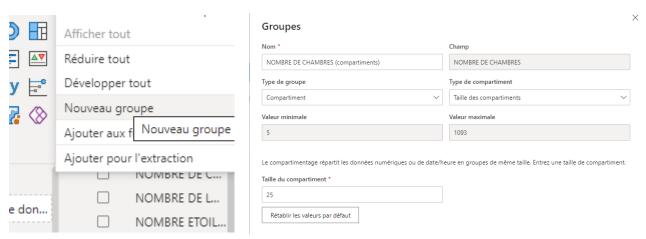
Forage:

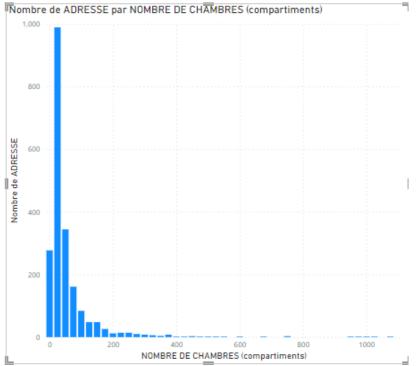


Ajouter un graphe Treemap:

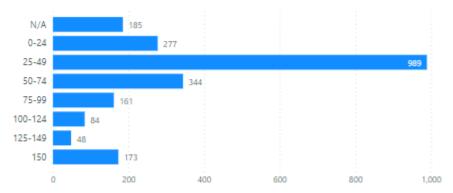


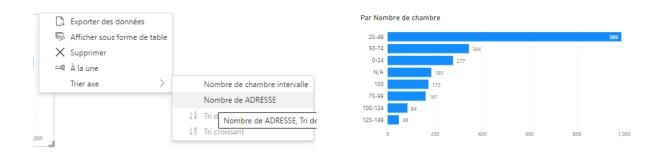
Options de regroupement :





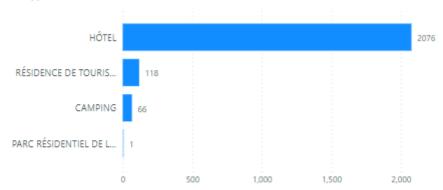
Par Nombre de chambre





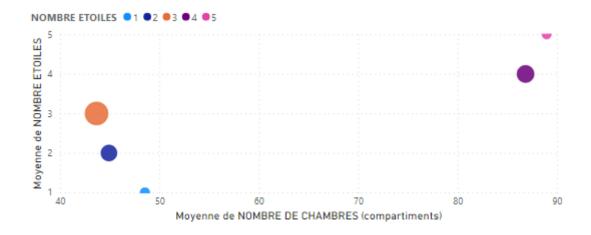
Tri dans les graphiques :

Par Type d'établissement

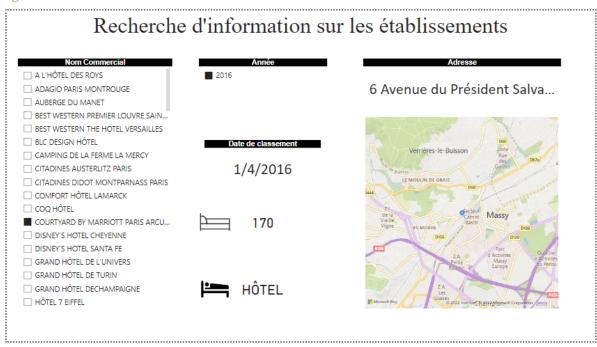


Nuage de points :

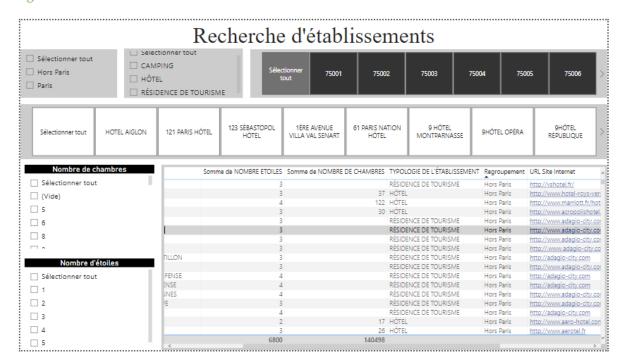




Page 3:



Page 4:



Ajouter des paramètres :

