PROJET 5: DATA SCIENCE

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Plan de Soutenance



PRÉSENTATION DU PROJET



CIBLAGE ET NETTOYAGE DES DONNÉES



ANALYSE EXPLORATOIRE



SEGMENTATION

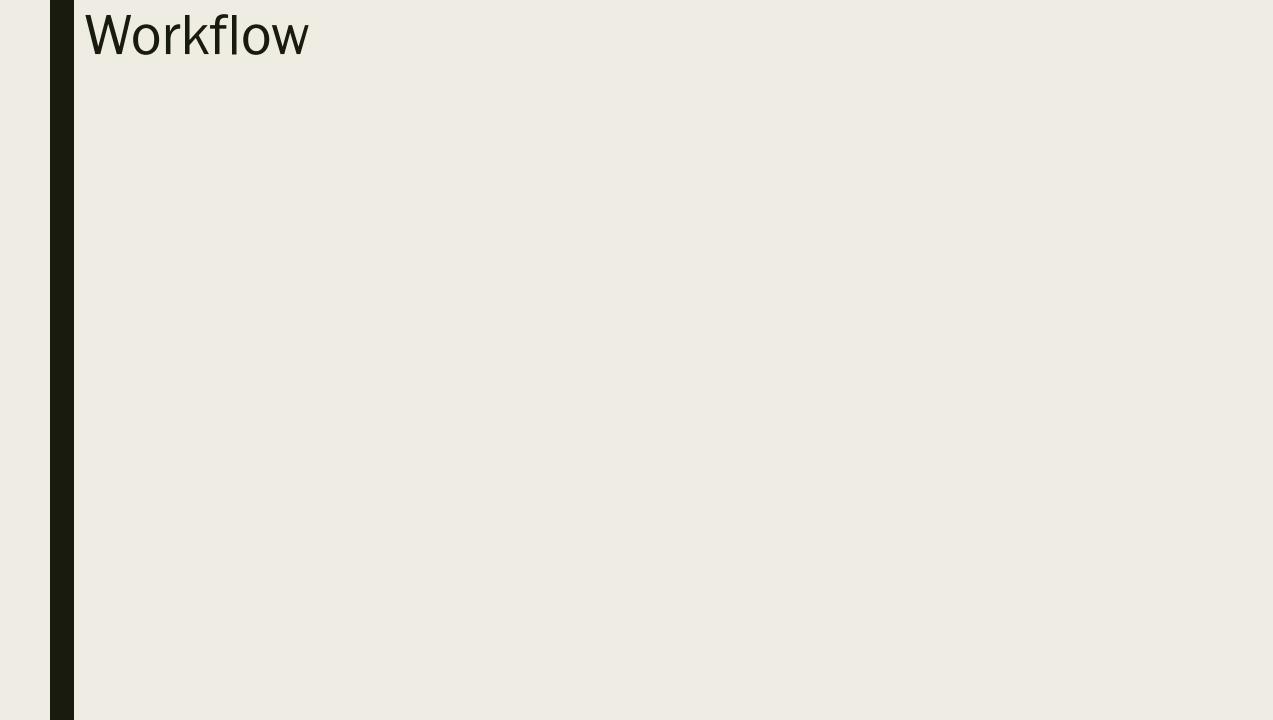


QUESTIONS -RÉPONSE

Présentation du projet et objectifs

- Comprendre les différents types d'utilisateurs
- Fournir une description marketing actionnable de la segmentation
- Evaluer la fréquence à laquelle la segmentation doit être mise à jour
- Effectuer un devis de contrat de maintenance





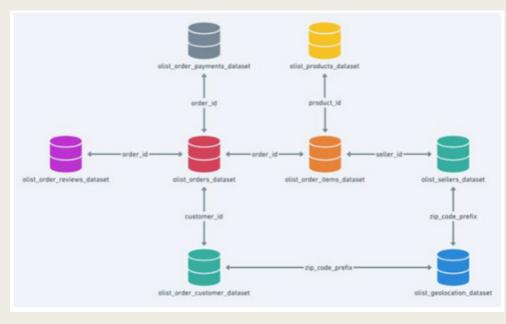
Présentation du jeu de données

FICHIER (.csv)	NB LIGNES	NB COLONNES	DESCRIPTION
Custormers	99441	5	Données clients
Geolocalisation	1000163	5	Données
Order_items	112650	7	Articles commandés
Order_payments	103886	5	Paiement commandes
Order_revieuws	99224	7	Avis commandes
Orders	99441	8	Commandes
Products	32951	9	Produits
Sellers	3095	4	Vendeurs
Product_category_nam e_translation	71	2	Table de traduction des noms de produits

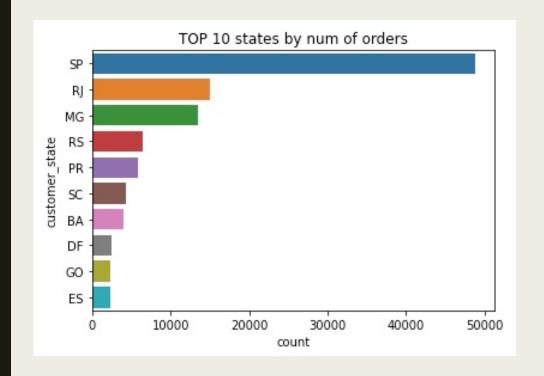
Données

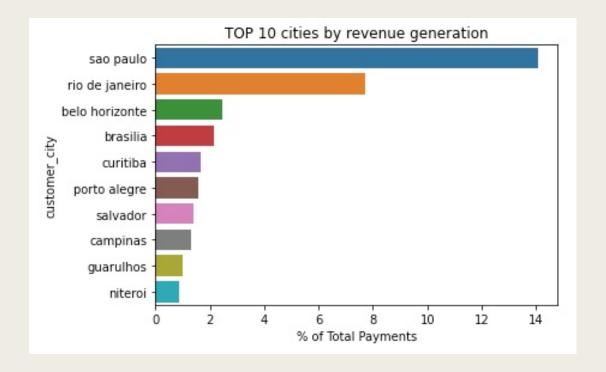
Base de données anonymisée de 2016 à 2018

- 9 fichier
- 52 indicateurs
- 3 type d'informations
- Historique de commandes
- Localisation clients et vendeurs
- Satisfaction client
- Conditions de paiment

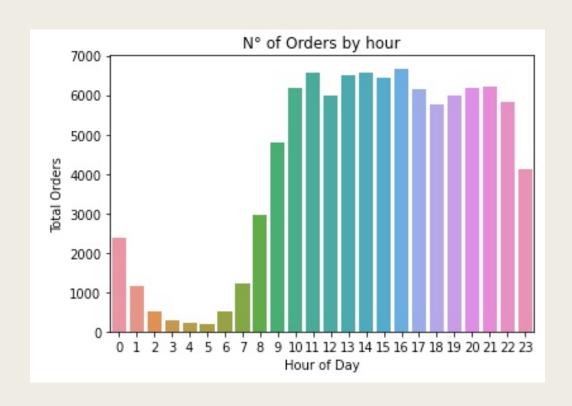


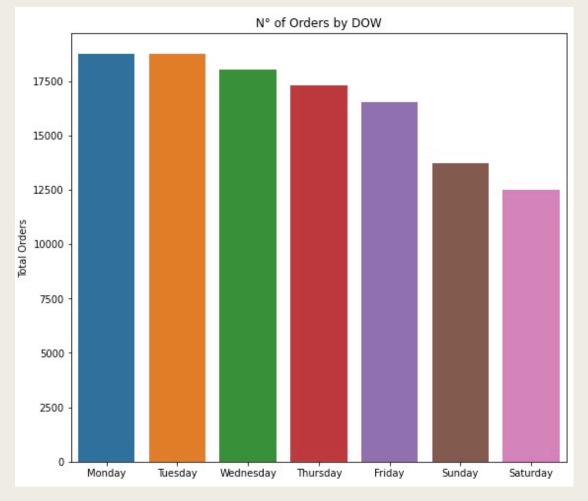
Analyse exploratoire



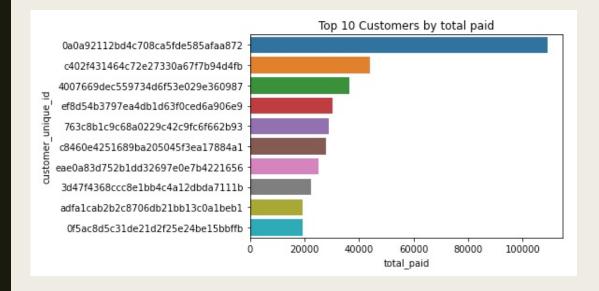


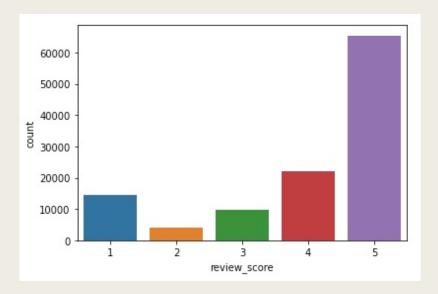
Analyse exploratoire

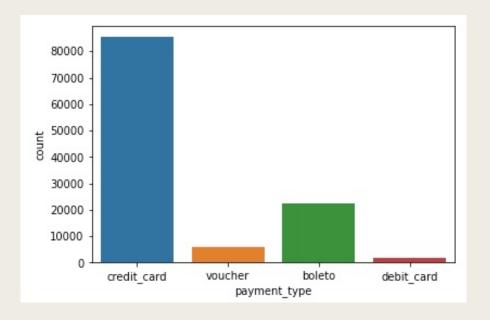




Analyse exploratoire



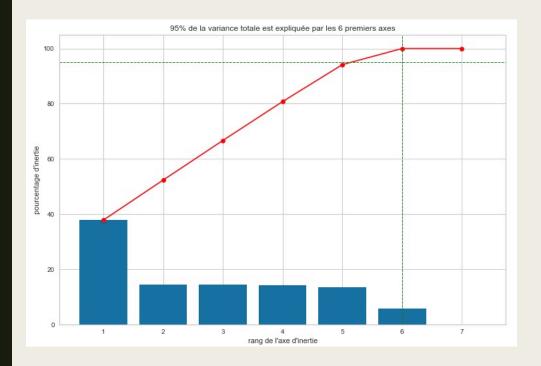


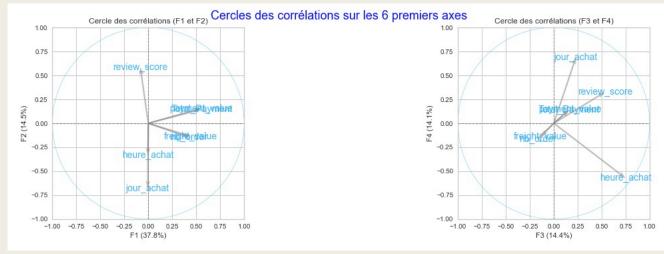


Modélisations:

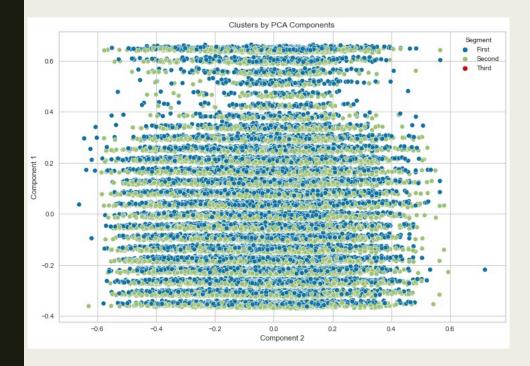
PCA KMEAN RFM + KMEANS sur customer DF LINKAGE Dbscan Tsne ???

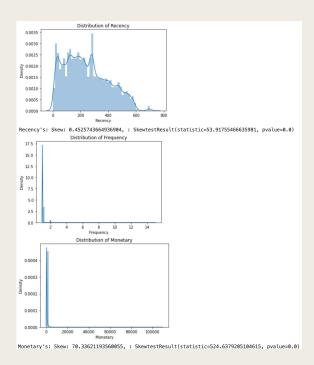
PCA

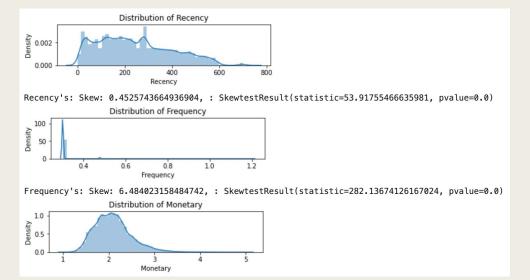


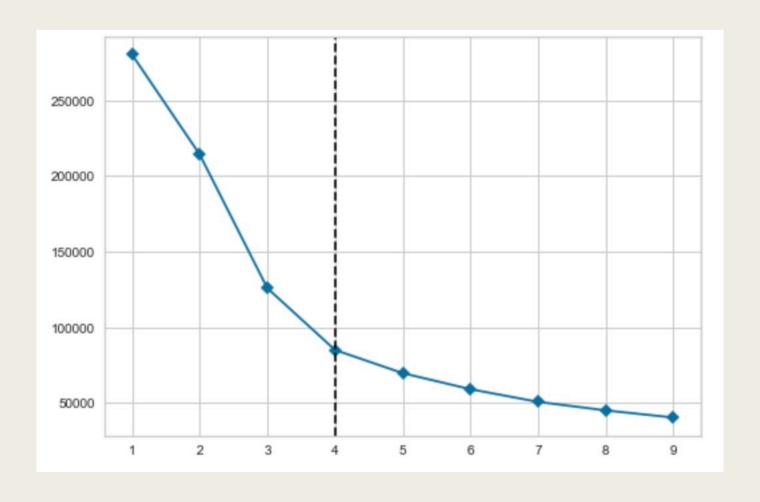


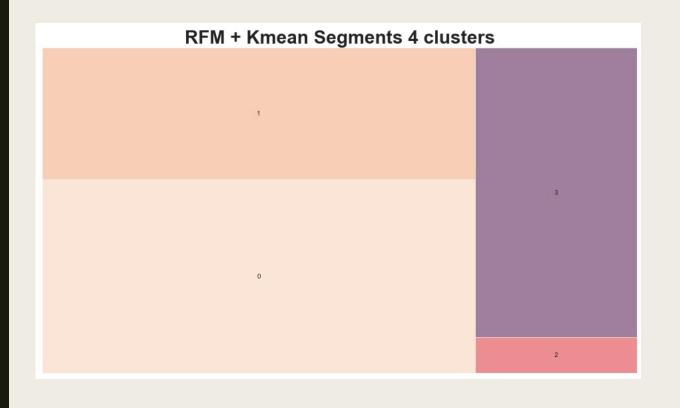
PCA + Kmean

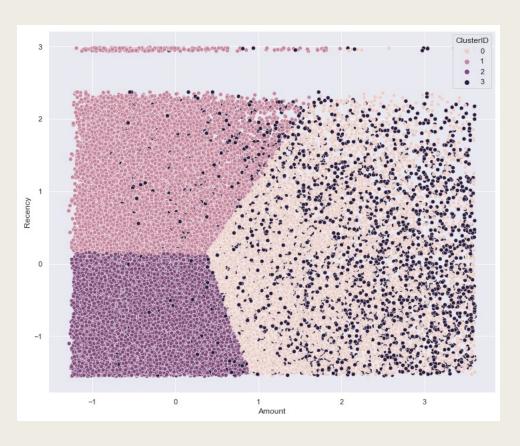


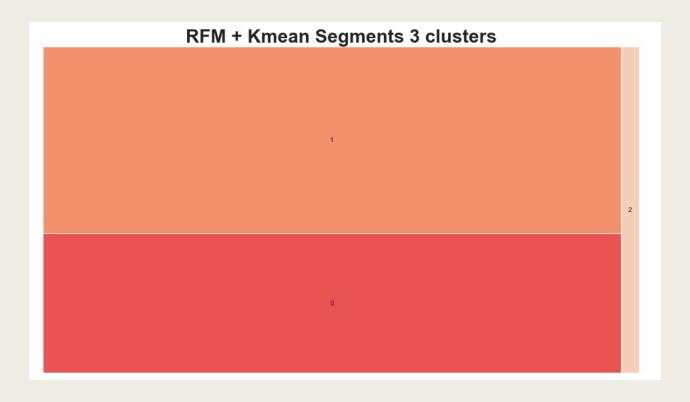


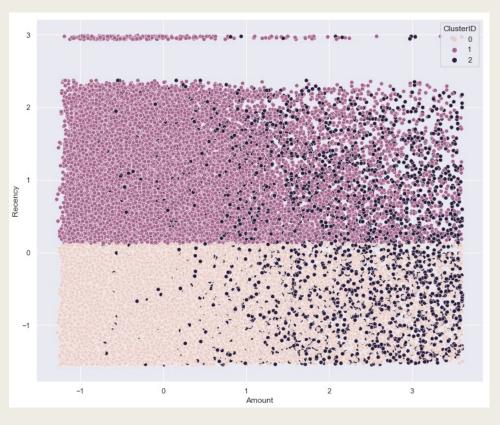






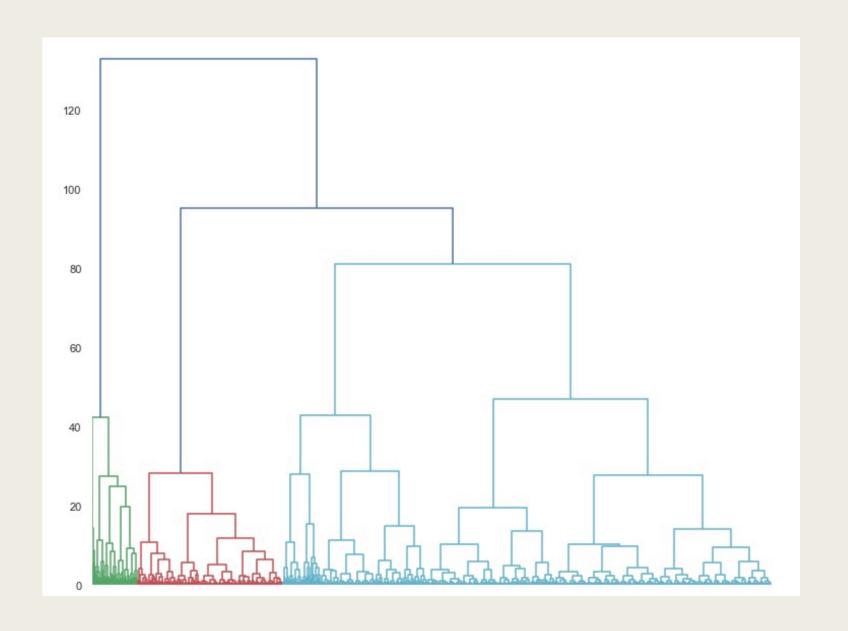


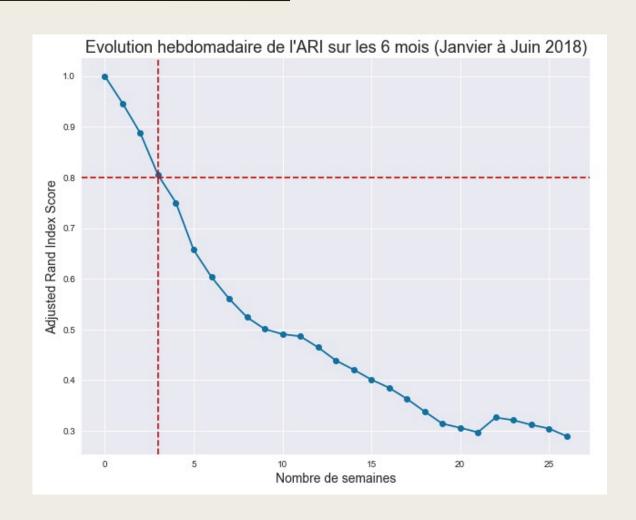




Analyse des clusters K=4

Linkage





MAINTENANCE