

#### The team



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"Un bon vendeur n'arrache pas une vente, il se la fait offrir."

- Mohamed Fillali

## 1 Billion

Value from recommendation on Netflix

#### 1300

Recommendation clusters by Netflix on users preferences

# 17.30\$ Billion by 2028

Market size

#### Our solution



## Technologies in use



draft



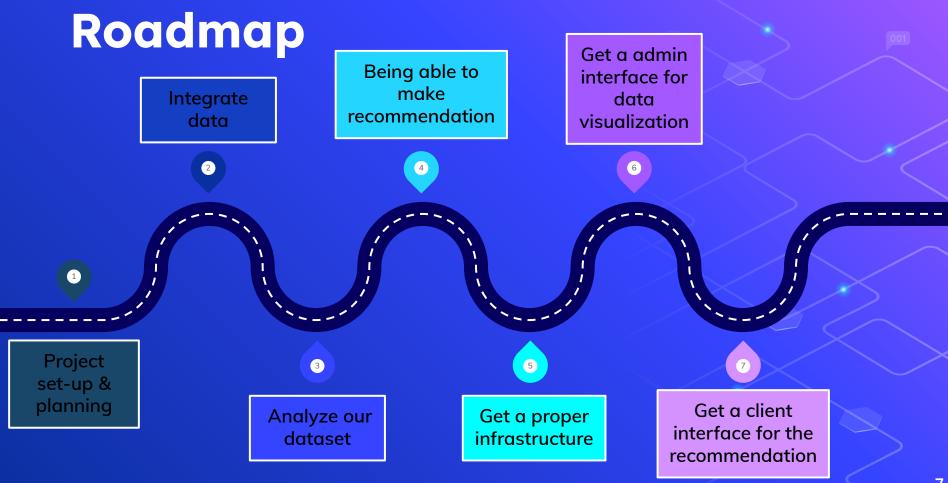




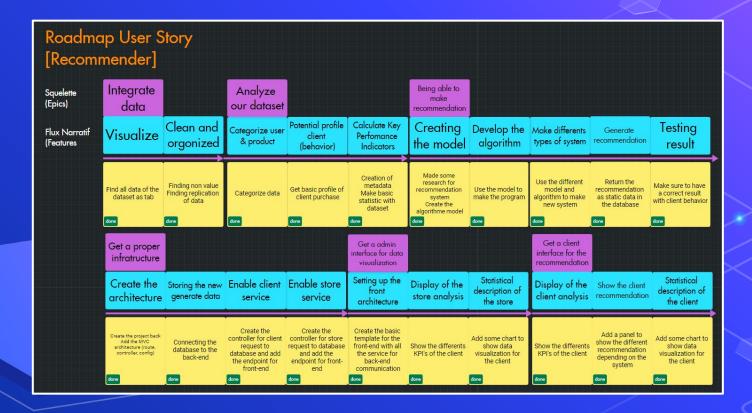




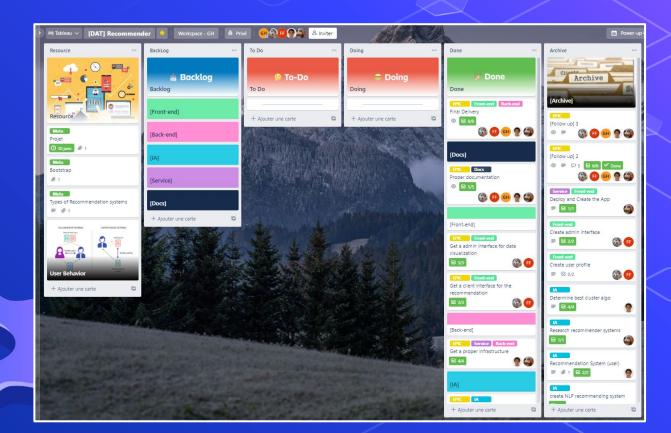
React



#### Narrative Flow



#### **Board Kanban**

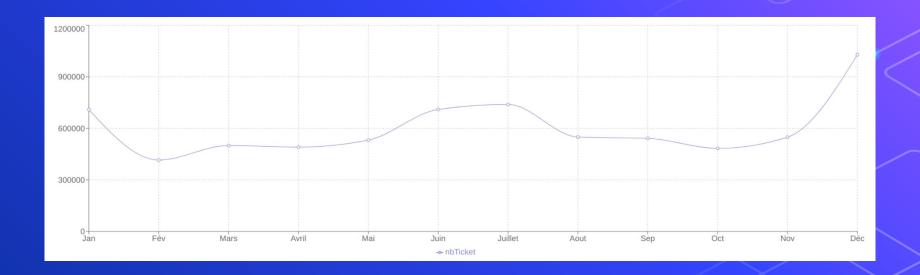




# 1. Analyze Dataset

#### Sales





#### 7 245 522

That's a lot of sales

853 514

And a lot of clients

1 484

Total products

Unique Famille	9
Unique Maille	34
Unique Univers	105
Unique Mois	12_

2. Pre-processing

### Key Performance Indicators (KPI)

- Define the cart (all purchases by client)
- Extract the highs and lows
- Calculate averages, totals, frequencies
- Input only the data used for calculations



3.
Application:
Store & Client
Data



#### **Store and Client**

- Group together the data used for recommendations
- Input only the data used for calculations

#### Client Table

CLI_ID PROD_ID	QTY	RATING
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#### Store Table

PRIX_NET	FAMILLE	LIBELLE	UNIVERS	MAILLE	PROD_ID	PROD_CAT
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4.
Recommendation
System



#### **Collaborative Filtering**

Singular Value Decomposition (SVD)

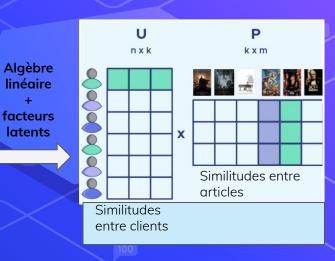
=> Prédire combien d'exemplaires le client est susceptible d'acheter pour chaque article du magasin.



**Algèbre** 

linéaire

latents



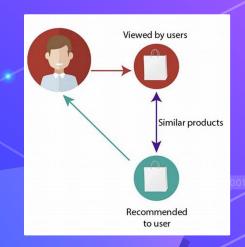
## Content based filtering

Natural Language Processing

=> Trouver les articles les plus similaires aux articles les plus achetés par un

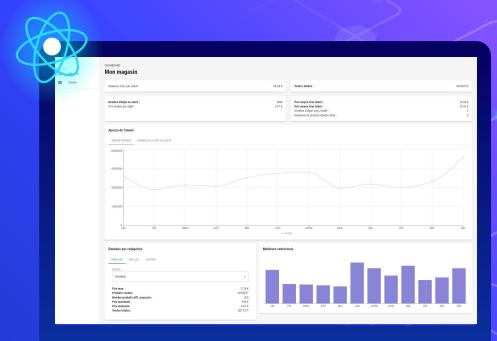
client.

Similarité cosinus



	the	red	dog	cat	eats	food
1. the red dog $\rightarrow$	1	1	1	0	0	0
2. cat eats dog ->	0	0	1	1	1	0
<ol> <li>dog eats food→</li> </ol>	0	0	1	0	1	1
4. red cat eats→	0	1	0	1	1	0

# Demo app



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Thanks!

Any questions?

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