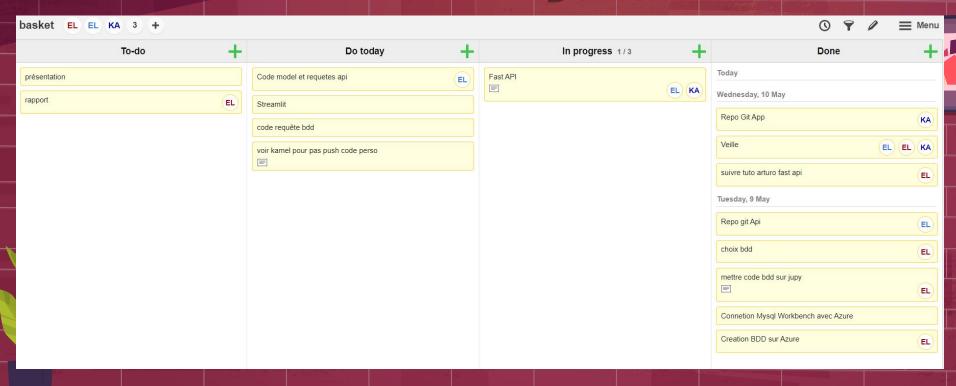






#### **Planning**







Country

InvoiceNo

Quantité

StockCode

Description

CustomerID

InvoiceDate

UnitPrice

### 36 pays avec 2393 transactions et 418 clients

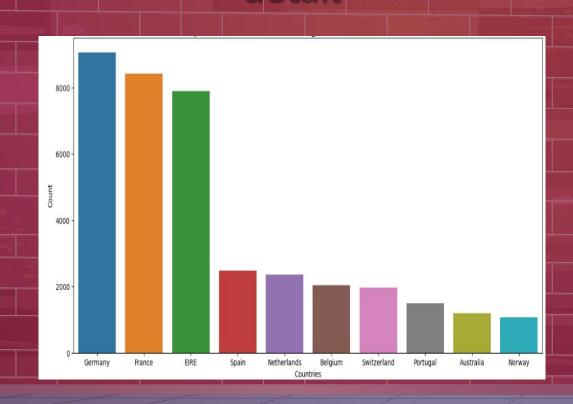
'France', 'Australia', 'Netherlands', 'Germany', 'Norway', 'EIRE', 'Switzerland', 'Spain', 'Poland', 'Portugal', 'Italy', 'Belgium', 'Lithuania', 'Japan', 'Iceland', 'Channel Islands', 'Denmark', 'Cyprus', 'Sweden', 'Austria', 'Israel', 'Finland', 'Bahrain', 'Greece', 'Hong Kong', 'Singapore', 'Lebanon', 'United Arab Emirates', 'Saudi Arabia', 'Czech Republic', Canada', 'Brazil', 'USA', 'European Community', 'Malta', 'RSA'



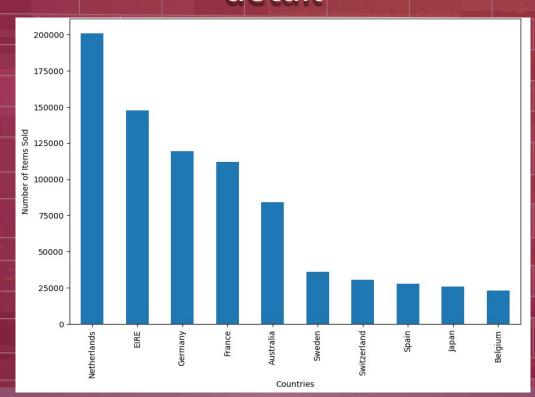
#### Mots les plus représentés du dataset



## Top 10 des pays qui ont un site de vente au détail



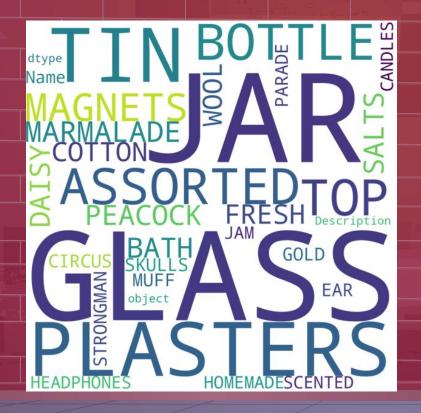
## Top 10 des pays qui ont un site de vente au détail



#### Mots les plus représentés pour la France



#### Mots les plus représentés pour la Portugal



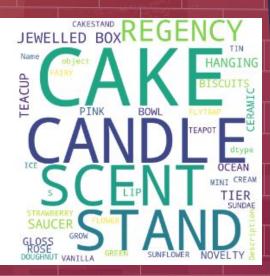




# Comparaison des mots choisi pour décrire les produits par pays (france, Portugal, Suède)

CHAIN VINTAGE
CUSHION TAILS
CARD DUCKS
SACK DESCRIPTION
S









### Modèle choisi: Apriori (France)

	antecedents	consequents	antecedent support	consequent support	support	confidence	lift	leverage	conviction	zhangs_metric
261	(POSTAGE)	(RED TOADSTOOL LED NIGHT LIGHT, PLASTERS IN TI	0.765306	0.051020	0.051020	0.066667	1.306667	0.011974	1.016764	1.000000
45	(POSTAGE)	(JUMBO BAG WOODLAND ANIMALS)	0.765306	0.076531	0.076531	0.100000	1.306667	0.017961	1.026077	1.000000
273	(POSTAGE)	(RED TOADSTOOL LED NIGHT LIGHT, PLASTERS IN TI	0.765306	0.053571	0.053571	0.070000	1.306667	0.012573	1.017665	1.000000
303	(SET/6 RED SPOTTY PAPER PLATES)	(SET/6 RED SPOTTY PAPER CUPS, SET/20 RED RETRO	0.127551	0.102041	0.099490	0.780000	7.644000	0.086474	4.081633	0.996251
305	(SET/6 RED SPOTTY PAPER CUPS)	(SET/6 RED SPOTTY PAPER PLATES, SET/20 RED RET	0.137755	0.102041	0.099490	0.722222	7.077778	0.085433	3.232653	0.995904
345	(SET/6 RED SPOTTY PAPER PLATES)	(SET/6 RED SPOTTY PAPER CUPS, POSTAGE, SET/20	0.127551	0.084184	0.081633	0.640000	7.602424	0.070895	2.543934	0.995431
347	(SET/6 RED SPOTTY PAPER CUPS)	(SET/6 RED SPOTTY PAPER PLATES, POSTAGE, SET/2	0.137755	0.084184	0.081633	0.592593	7.039282	0.070036	2.247913	0.995007
24	(CHILDRENS CUTLERY DOLLY GIRL)	(CHILDRENS CUTLERY SPACEBOY)	0.071429	0.068878	0.063776	0.892857	12.962963	0.058856	8.690476	0.993846
175	(SET/6 RED SPOTTY PAPER CUPS)	(SET/6 RED SPOTTY PAPER PLATES)	0.137755	0.127551	0.122449	0.888889	6.968889	0.104878	7.852041	0.993343
87	(PACK OF 6 SKULL PAPER CUPS)	(PACK OF 6 SKULL PAPER PLATES)	0.063776	0.056122	0.051020	0.800000	14.254545	0.047441	4.719388	0.993188

### Modèle choisi: Apriori (Finland)

	antecedents	consequents	antecedent support	consequent support	support	confidence	lift	leverage	conviction	zhangs_metric
198	(POSTAGE)	(SET OF 60 PANTRY DESIGN CAKE CASES, MINT KITC	0.902439	0.073171	0.073171	0.081081	1.108108	0.007139	1.008608	1.0
66	(POSTAGE)	(PANTRY PASTRY BRUSH)	0.902439	0.073171	0.073171	0.081081	1.108108	0.007139	1.008608	1.0
106	(CHILDRENS CUTLERY POLKADOT BLUE)	(CHILDRENS CUTLERY POLKADOT PINK, CHILDRENS CU	0.170732	0.097561	0.097561	0.571429	5.857143	0.080904	2.105691	1.0
179	(CHILDRENS CUTLERY POLKADOT BLUE, POSTAGE)	(CHILDRENS CUTLERY POLKADOT PINK, CHILDRENS CU	0.170732	0.097561	0.097561	0.571429	5.857143	0.080904	2.105691	1.0
186	(CHILDRENS CUTLERY POLKADOT BLUE)	(CHILDRENS CUTLERY POLKADOT PINK, POSTAGE, CHI	0.170732	0.097561	0.097561	0.571429	5.857143	0.080904	2.105691	1.0
117	(POSTAGE)	(CHILDRENS CUTLERY POLKADOT BLUE, CHILDRENS CU	0.902439	0.146341	0.146341	0.162162	1.108108	0.014277	1.018883	1.0
0	(POSTAGE)	(60 CAKE CASES DOLLY GIRL DESIGN)	0.902439	0.073171	0.073171	0.081081	1.108108	0.007139	1.008608	1.0
4	(POSTAGE)	(60 TEATIME FAIRY CAKE CASES)	0.902439	0.073171	0.073171	0.081081	1.108108	0.007139	1.008608	1.0
6	(POSTAGE)	(BAKING SET 9 PIECE RETROSPOT)	0.902439	0.073171	0.073171	0.081081	1.108108	0.007139	1.008608	1.0
10	(POSTAGE)	(BLUE POLKADOT BEAKER)	0.902439	0.073171	0.073171	0.081081	1.108108	0.007139	1.008608	1.0



#### Conclusion / Perspectives

Comme constaté précédemment, le modèle Apriori a posé problème, il serait judicieux de tenter d'utiliser le modèle FP-Growth, qui prend moins de données que Apriori, mais est plus rapide, et est plus facilement interprétable.