

Attribute	Description	Value_types	Sample data
SKU	Stock Keeping Unit number of the stock item	Integer	4757355, 2128748, ...
return_rate	Ratio of return of the item from transaction data	double	0.259259, 0.000000,...
size	The size of the stock item	text	S, L, OTHER...
dep_1	Whether belongs to Fashion and Apparel Departments	integer	0, 1
dep_2	Whether belongs to Generic or Unclear Departments	integer	0, 1
dep_3	Whether belongs to Personal or Individual Departments	integer	0, 1
most_sold_season	In which season the item is sold most from transaction data	text	Fall, Spring, ...
discounted	Whether the item has discount (1) or raise price (-1) before from transaction data	integer	-1, 0, 1

Appendix I. Classification of departments

Class 1: Fashion Brands

R LAUREN
LACOSTE
ESPRIT
COLEHAAN
GOTTEX
DKNY
LIZ CLA
CARTIER
MOSCHINO
ST JOHN
CARTERS
C KLEIN
NO FEAR
REEBOK
ANNASUI
SPERRY
CATALIN
CLINIQUE

Class 2: Uncertain/Need More Information

LESLIE
GARY F
JACQUES
CABERN
BE2
CAB
MAI
CELEBRT
BEP
4711
CAMBIO
AUSTIN
CITIZENS
BORA
1928
COLOR
P&Y
H SIERR
KAREN K
BLUE
FREDERI

ELLEN T
MATTY M
CAROLE
BCH
COFFRET
LOUISVL
SIGRID O
ETERNIT
COP KEY

Class 3: Personal Names

R TAYLOR
CHORUS
CAB
ONEIDA
ENVIRON
POLOMEN
GOTTEX (Possibly a duplication)
COLOR (Possibly a duplication)
COLEHAAN (Possibly a duplication)
INVEST
NOB
BRIOSO
ECHO
LISLI