

Analysis of Myntra Apparel

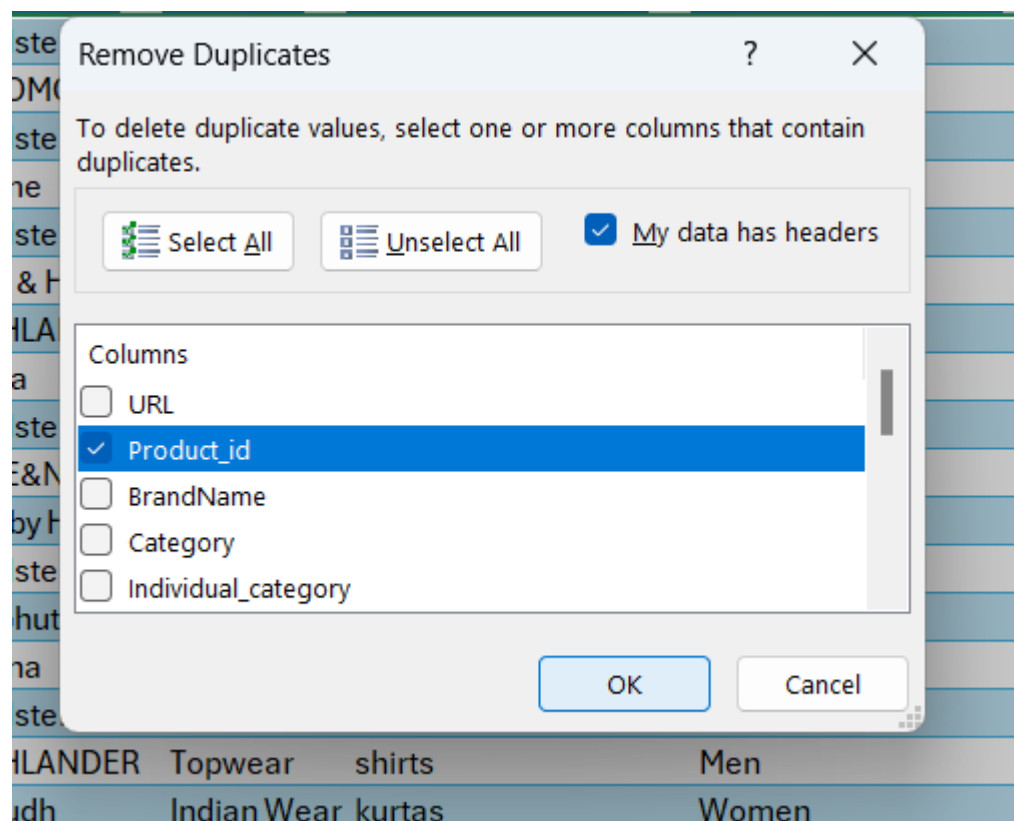
Problem Statement: You are working at Myntra, a leading online fashion retailer. The management has asked you to analyze a dataset of various apparel items to gain insights into pricing, discounts, ratings, and available sizes.

Project Questions

A. Data Cleaning and Preparation

1. Check for duplicate values in your dataset and remove them.

No Duplicates found using Data Tools>> Remove duplicates.



https://www.myntra.com/jeans/roadster/roadster-men-navy-blue-slim-fit-mid-rise-clean-look-jeans/2296012/buy

Product ID	BrandName	Category	Individual_category	category_by_Gender	Description	DiscountPrice (in Rs)	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDis
2296012	Roadster	Bottom Wea	jeans	Men	roadster men n	824	1499	45%	674.55	
3780156	LOCOMOTIVE	Bottom Wea	track-pants	Men	locomotive mer	517	1149	55%	631.95	
1895958	Roadster	Topwear	shirts	Men	roadster men n	629	1399	55%	769.45	
4335679	Zivame	Lingerie & Sl	shapewear	Women			1295	31%	401.45	
1690882	Roadster	Western	tshirts	Women			599	35%	209.65	
2490950	Mast & Harbour	Western	tops	Women			599	40%	239.6	
6744434	HIGHLANDER	Bottom Wea	trousers	Men			1499	60%	899.4	
8439415	Mayra	Western	tops	Women			1395	58%	809.1	
7381394	Roadster	Western	tshirts	Women			1098		N/A	
2359257	HERE&NOW	Bottom Wea	jeans	Men			2749		N/A	
7695793	HRX by Hrithik F	Sports Wear	tights	Men			2699	55%	1484.45	
0307375	Roadster	Topwear	tshirts	Men			699		N/A	
2873874	Anubhutee	Indian Wear	kurta-sets	Women	anubhutee won	1019	3399	70%	2379.3	
1634538	Athena	Western	jumpsuit	Women	athena women black solid basic jumpsuit		2499	50%	1249.5	
2312181	Roadster	Western	tshirts	Women	roadster women maroon solid round nec		799	60%	479.4	
3842386	HIGHLANDER	Topwear	shirts	Men	highlander mer	516	1099	53%	582.47	
0473520	Vishudh	Indian Wear	kurtas	Women	vishudh womer	696	1699	59%	1002.41	
0561392	Sangria	Plus Size	kurta-sets	Women	sangria women green off white printed ku		3999		N/A	
2391750	Tokyo Talkies	Western	trousers	Women	tokyo talkies women olive green regular fi		2149	61%	1310.89	
2522986	DressBerry	Western	tshirts	Women	dressberry women lovely olive typography		999	75%	749.25	
7385142	Roadster	Western	tshirts	Women	roadster women pack of 2 printed cotton		1298		N/A	
2153330	Anouk	Indian Wear	kurtas	Women	anouk women r	719	1599	55%	879.45	

2. Standardize the "DiscountOffer" column to a single format, ensuring all values are uniform.

=IF(ISBLANK([@Discounter]),"",IF(ISNUMBER(SEARCH("Rs.",[@Discounter])),[@Discounter],[@Discounter]*[@OriginalPrice (in Rs)]))

Rs	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDisc	NullFill	SizeOption	Ratings	Reviews
824	1499	45%	674.55	45%	824.00	28, 30, 32, 34,	3.9	999
517	1149	55%	631.95	55%	517.00	S, M, L, XL	4	999
629	1399	55%	769.45	55%	629.00	38, 40, 42, 44,	4.3	999
893	1295	31%	401.45	31%	893.00	S, M, L, XL, XXL	4.2	999
pure c	599	35%	209.65	35%		XS, S, M, L, XL	4.2	999
tank to	599	40%	239.6	40%		XS, S, M, L, XL	4.4	999
1499	1499	60%	899.4	60%	599.00	30, 32, 34, 36	3.9	998
1395	1395	58%	809.1	58%		S, M, L, XL	3.7	998

3. Identify rows where both "DiscountPrice" and "DiscountOffer" are null and fill the "DiscountPrice" with the average discount price of the respective category.

=IF(ISBLANK([@DiscountPrice (in Rs)]),IF(AND(ISBLANK([@DiscountPrice (in Rs)]),ISBLANK([@Discounter])),IFERROR(AVERAGEIF(D:D,[@Category],H:H),"NotDivisible"),""),[@DiscountPrice (in Rs)])

DiscountPrice (in Rs)	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDisc	NullFill	SizeOption	Ratings	Reviews
824	1499	45%	674.55	45%	824.00	28, 30, 32, 34,	3.9	999
517	1149	55%	631.95	55%	517.00	S, M, L, XL	4	999
629	1399	55%	769.45	55%	629.00	38, 40, 42, 44,	4.3	999
893	1295	31%	401.45	31%	893.00	S, M, L, XL, XXL	4.2	999
pure c	599	35%	209.65	35%		XS, S, M, L, XL	4.2	999
d tank to	599	40%	239.6	40%		XS, S, M, L, XL	4.4	999

4. Replace all null values in the "SizeOption" column with the text "Not Available."

Using Find and Replace No Null values.

on

DiscountPrice (in Rs)

OriginalPrice (in Rs)

Discounter

StandardDisc

StandardDisc

Label

NullFill

SizeOption

Column1

Ratings

Reviews

wome	539	1199	55%	659.45	55%	High Discount	539.00	XS, S, M, L, XL	XS, S, M, L, XL	4	
women rust brown maroon pack of 3		1598	50%	799	50%	Low Discount		L, M, S, XS, XL	L, M, S, XS, XL	4.2	
ter life	439	799	45%	359.55	45%	Low Discount	439.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2	
omen	1259						1259.00	XS, S, M, L, XL	XS, S, M, L, XL	3.9	
d wov	999						999.00	Onesize	Onesize	4	
omen pack of 3 assorted mid w							627.91	S, M, L, XL	S, M, L, XL	4	
omen	659						659.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2	
low square neck top								XS, S, M, L	XS, S, M, L	4	
lavender net solid maxi dress								S, M, L, XL, XXL	S, M, L, XL, XXL	3.8	
bour women pack of 2 printed ts								XS, S, M, L, XL	XS, S, M, L, XL	4.2	
women black solid v neck pure c								XS, S, M, L, XL	XS, S, M, L, XL	4.3	
y women fluorescent green ribt								XS, S, M, L, XL	XS, S, M, L, XL	4.5	
n blac	1359						1359.00	S, M, L, XL, XXL	S, M, L, XL, XXL	3.9	
men n	319						319.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2	
n red	674	1349	50%	674.5	50%	Low Discount	674.00	Onesize	Onesize	3.9	
vomer	1418	3299	57%	1880.43	57%	High Discount	1418.00	S, M, L, XL, XXL	S, M, L, XL, XXL	3.9	
al blu	1687	5818	71%	4130.78	71%	High Discount	1687.00	Onesize	Onesize	4.3	
ck so	593	899	34%	305.66	34%	Low Discount	593.00	M, L, XL	M, L, XL	3.9	
omen mustard brown cargos		1799	50%	899.5	50%	Low Discount		26, 28, 30, 32	26, 28, 30, 32	4.3	
women black floral printed max		2600	39%	1014	39%	Low Discount		S, M, L, XL	S, M, L, XL	4.4	

Find and Replace

Find

Replace

Find what:

Replace with:

Not Available

Options >>

Replace All

Replace

Find All

Find Next

Close

izeOption

on

DiscountPrice (in Rs)

OriginalPrice (in Rs)

Discounter

StandardDisc

StandardDisc

Label

NullFill

SizeOption

Column1

Ratings

ome	539	1199	55%	659.45	55%	High Discount	539.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2
omen rust brown maroon pack of 3	1598	50%	799	50%	Low Discount		L, M, S, XS, XL	L, M, S, XS, XL	4.2	
er life	439	799	45%	359.55	45%	Low Discount	439.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2
omen	1259						1259.00	XS, S, M, L, XL	XS, S, M, L, XL	3.9
wove	999						999.00	Onesize	Onesize	4
omen pack of 3 assorted mid w							627.91	S, M, L, XL	S, M, L, XL	4
omen	659						659.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2
ow square neck top								XS, S, M, L	XS, S, M, L	4
lavender net solid maxi dress								S, M, L, XL, XXL	S, M, L, XL, XXL	3.8
our women pack of 2 printed ts								XS, S, M, L, XL	XS, S, M, L, XL	4.2
omen black solid v neck pure c								XS, S, M, L, XL	XS, S, M, L, XL	4.3
y women fluorescent green ribt								XS, S, M, L, XL	XS, S, M, L, XL	4.5
n blac	1359						1359.00	S, M, L, XL, XXL	S, M, L, XL, XXL	3.9
men n	319						319.00	XS, S, M, L, XL	XS, S, M, L, XL	4.2
n red	674	1349	50%	674.5	50%	Low Discount	674.00	Onesize	Onesize	3.9
vomer	1418	3299	57%	1880.43	57%	High Discount	1418.00	S, M, L, XL, XXL	S, M, L, XL, XXL	3.9
il blu	1687	5818	71%	4130.78	71%	High Discount	1687.00	Onesize	Onesize	4.3
ck so	593	899	34%	305.66	34%	Low Discount	593.00	M, L, XL	M, L, XL	3.9
omen mustard brown cargos	1799	50%	899.5	50%	Low Discount		26, 28, 30, 32	26, 28, 30, 32	4.3	
women black floral printed max	2600	39%	1014	39%	Low Discount		S, M, L, XL	S, M, L, XL	4.4	
our women pack of 2 solid tshi	1598			N/A	High Discount	NotDivisible	XS, S, M, L, XL	XS, S, M, L, XL	4	

Find and Replace

Find

Find what:

Replace with:

Replace All

Microsoft Excel

We couldn't find anything to replace. Click Options for more ways to search.

FYI: It's possible the data you're trying to replace is in a protected sheet. Excel can't replace data in protected sheets.

OK

Options >>

Close

Or we can use Find & Select, Go To Special

The 'Go To Special' dialog box is open, showing the 'Select' tab. The 'Blanks' option is selected. The background table has columns: Gender, Description, Discount, and Standard Discount.

Gender	Description	Discount	Standard Discount
roadster men		45%	674.55
locomotive m		55%	631.95
roadster men		55%	769.45
zivame wome		31%	401.45
roadster wom		35%	209.65
mast harbour		40%	239.6
highlander me		60%	899.4
mayra pink en		58%	809.1
roadster wom			N/A
herenow men			N/A
hrx by hrithik r		55%	1484.45
roadster men			N/A
anubhutee wo		70%	2379.3
athena wome		50%	1249.5
roadster wom		60%	479.4
highlander me		53%	582.47
vishudh women		59%	1002.41
sangria women green off white printed ku			N/A
tokyo talkies women olive green regular fi		61%	1310.89

The screenshot shows a table with columns: Category, Gender, Description, Discount Price (in Rs), Original Price (in Rs), Discount, Standard Discount, Label, Null Fill, Size Option, and Ratings. A 'Microsoft Excel' error message is displayed: 'No cells were found.'

Category	Gender	Description	Discount Price (in Rs)	Original Price (in Rs)	Discount	Standard Discount	Label	Null Fill	Size Option	Ratings
men	roadster men n	824	1499	45%	674.55	45% Low Discount	824.00	28, 30, 32, 34,	3.9	
men	locomotive men	517	1149	55%	631.95	55% High Discount	517.00	S, M, L, XL	4	
men	roadster men n	629	1399	55%	769.45	55% High Discount	629.00	38, 40, 42, 44,	4.3	
omen	zivame women	893		31% Low Discount		31% Low Discount	893.00	S, M, L, XL, XXL	4.2	
omen	roadster women white solid v neck pure c			35% Low Discount		35% Low Discount		XS, S, M, L, XL	4.2	
omen	mast harbour women yellow solid tank to			40% Low Discount		40% Low Discount		XS, S, M, L, XL	4.4	
men	highlander men	599		60% High Discount		60% High Discount	599.00	30, 32, 34, 36	3.9	
omen	mayra pink embroidered a line pure cotto			58% High Discount		58% High Discount		S, M, L, XL	3.7	
omen	roadster women pack of 2 solid t shirts			High Discount		High Discount	NotDivisible	XS, S, M, L, XL	4.3	
men	herenow men blue slim fit mid rise clean l			High Discount		High Discount	876.32	28, 30, 32, 34,	3.5	
men	hrx by hrithik ro:	1214		55% High Discount		55% High Discount	1214.00	S, M, L, XL, XXL	4.4	
men	roadster men navy blue white striped pol			High Discount		High Discount	665.37	XS, S, M, L, XL	4.1	
omen	anubhutee won	1019		70% High Discount		70% High Discount	1019.00	S, M, L, XL, XXL	4.2	
omen	athena women black solid basic jumpsuit		2499	50%	1249.5	50% Low Discount		XS, S, M, L, XL	4.3	
omen	roadster women maroon solid round neci		799	60%	479.4	60% High Discount		XS, S, M, L, XL	4	
men	highlander men	516	1099	53%	582.47	53% High Discount	516.00	39, 40, 42, 44	4.2	
omen	vishudh women	696	1699	59%	1002.41	59% High Discount	696.00	S, M, L, XL, XXL	4.2	
omen	sangria women green off white printed ku		3999			High Discount	677.95	XS, S, M, L, XL	4.3	
omen	tokyo talkies women olive green regular fi		2149	61%	1310.89	61% High Discount		28, 30, 32, 34	4.1	
omen	dressberry women lovely olive typography		999	75%	749.25	75% High Discount		XS, S, M, L, XL	4.3	
omen	roadster women pack of 2 printed cotton		1298			High Discount	NotDivisible	XS, S, M, L, XL	4.4	

Or we can Use formula in helper column

=IF([@SizeOption]="","Not Available",[@SizeOption])

B. Data Analysis

1. Calculate the overall average original price for products with ratings greater than 4.

=AVERAGEIF(O:O,">4",I:I)

=AVERAGEIF(O:O,">4",I:I)

	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
(in Rs)	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDisc	NullFill	SizeOption	Ratings	Reviews							
824	1499	45%	674.55	45%	824.00	28, 30, 32, 34,	3.9	999							
517	1149	55%	631.95	55%	517.00	S, M, L, XL	4	999							
629	1399	55%	769.45	55%	629.00	38, 40, 42, 44,	4.3	999							
893	1295	31%	401.45	31%	893.00	S, M, L, XL, XXL	4.2	999							
k pure c	599	35%	209.65	35%		XS, S, M, L, XL	4.2	999							
l tank to	599	40%	239.6	40%		XS, S, M, L, XL	4.4	999							
599	1499	60%	899.4	60%	599.00	30, 32, 34, 36	3.9	998							
re cotto	1395	58%	809.1	58%		S, M, L, XL	3.7	998							
shirts	1098			N/A	NotDivisible	XS, S, M, L, XL	4.3	997							
e clean l	2749			N/A		876.32 28, 30, 32, 34,	3.5	996							
1214	2699	55%	1484.45	55%	1214.00	S, M, L, XL, XXL	4.4	996							
ped pol	699			N/A		665.37 XS, S, M, L, XL,	4.1	996							
1019	3399	70%	2379.3	70%	1019.00	S, M, L, XL, XXL	4.2	996							
umpsuit	2499	50%	1249.5	50%		XS, S, M, L, XL	4.3	996							
nd necl	799	60%	479.4	60%		XS, S, M, L, XL	4	996							
516	1099	53%	582.47	53%	516.00	39, 40, 42, 44	4.2	995							

2. Count the number of products with a discount offer greater than 50% OFF.

=COUNTIF(L:L,">50%")

=COUNTIF(L:L,">50%")

	I	J	K	L	M	N	O	P	Q	R	S	T
(in Rs)	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDisc	NullFill	SizeOption	Ratings	Reviews				
824	1499	45%	674.55	45%	824.00	28, 30, 32, 34,	3.9	999				
517	1149	55%	631.95	55%	517.00	S, M, L, XL	4	999				
629	1399	55%	769.45	55%	629.00	38, 40, 42, 44,	4.3	999				
893	1295	31%	401.45	31%	893.00	S, M, L, XL, XXL	4.2	999				

3. Count the number of products available in size "M."

=COUNTIF(N:N,"*M*")

=COUNTIF(N:N,"*M*")

	I	J	K	L	M	N	O	P	Q	R	S	T	U
(in Rs)	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDisc	NullFill	SizeOption	Ratings	Reviews					
824	1499	45%	674.55	45%	824.00	28, 30, 32, 34,	3.9	999					
517	1149	55%	631.95	55%	517.00	S, M, L, XL	4	999					
629	1399	55%	769.45	55%	629.00	38, 40, 42, 44,	4.3	999					

4. Create a new column to label the products as "High Discount" if the discount offer is greater than 50% OFF, otherwise label them as "Low Discount."

=IF([@[StandardDiscountOffer%]]>50%,"High Discount","Low Discount")

=IF([@[StandardDiscountOffer%]]>50%,"High Discount","Low Discount")						
	I	J	K	L	M	
(in Rs)	OriginalPrice (in Rs)	Discounter	StandardDisc	StandardDisc	Label	N
824	1499	45%	674.55	45%	Low Discount	
517	1149	55%	631.95	55%	High Discount	
629	1399	55%	769.45	55%	High Discount	
893	1295	31%	401.45	31%	Low Discount	
neck pure c	599	35%	209.65	35%	Low Discount	
olid tank to	599	40%	239.6	40%	Low Discount	
599	1499	60%	899.4	60%	High Discount	
pure cotto	1395	58%	809.1	58%	High Discount	
l t shirts	1098			N/A	High Discount	N
rise clean l	2749			N/A	High Discount	
1214	2699	55%	1484.45	55%	High Discount	
striped pol	699			N/A	High Discount	
1019	3399	70%	2379.3	70%	High Discount	
c jumpsuit	2499	50%	1249.5	50%	Low Discount	

C. Data Retrieval and Lookup

1. Use VLOOKUP/XLOOKUP to find the product brand, price, and rating of the product with Product_id "11226634".

=VLOOKUP([@[Product_id]],MyntraCS1[[Product_id]:[Reviews]],2,FALSE)

=VLOOKUP([@[Product_id]],MyntraCS1[[Product_id]:[Reviews]],8,FALSE)

=VLOOKUP([@[Product_id]],MyntraCS1[[Product_id]:[Reviews]],15,FALSE)

