



**INDIA's LARGEST ONLINE  
FASHION STORE**

# **ANALYSIS OF *MYNTRA* APPAREL**

*By ABHISHEK PANDEY*



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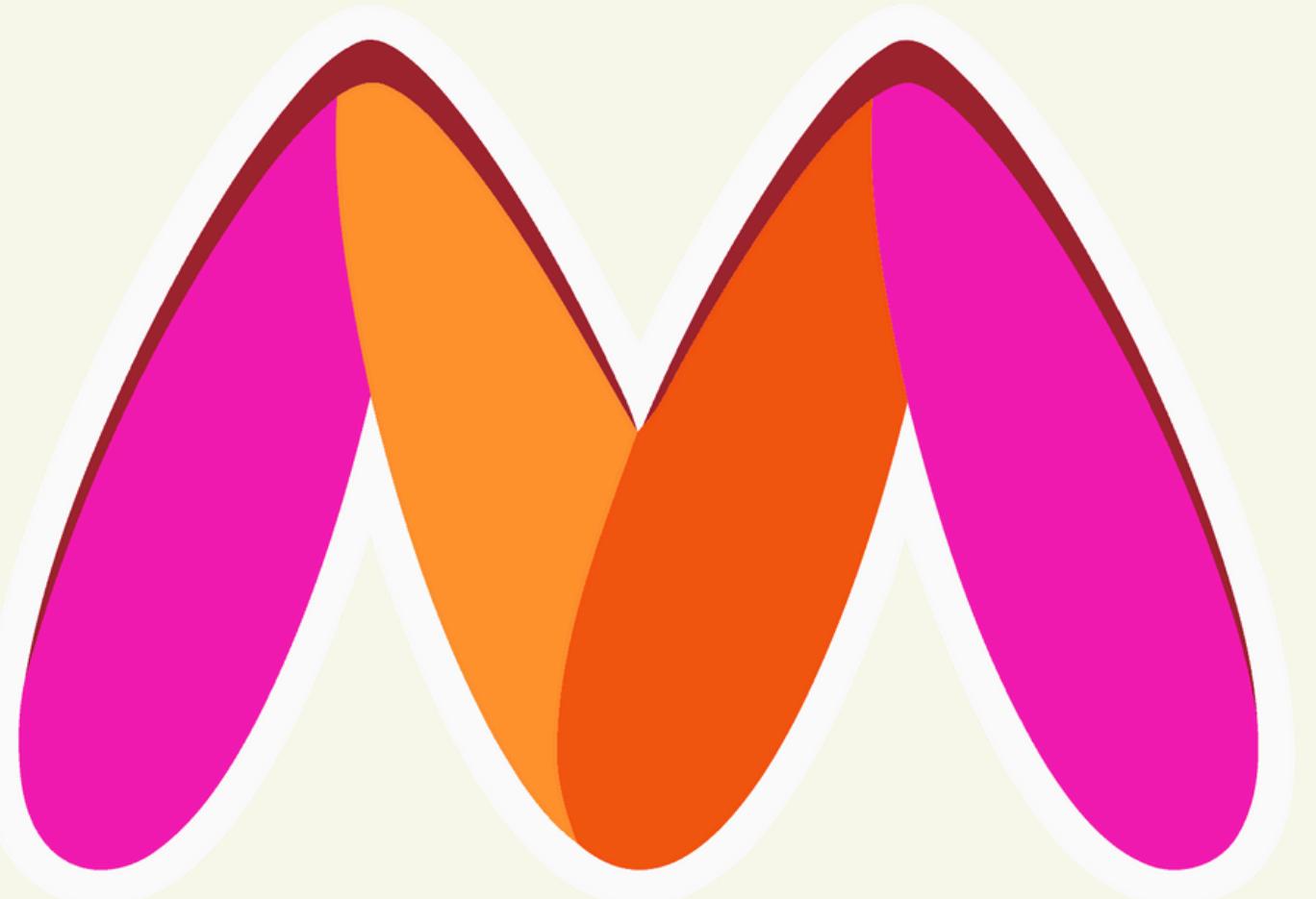
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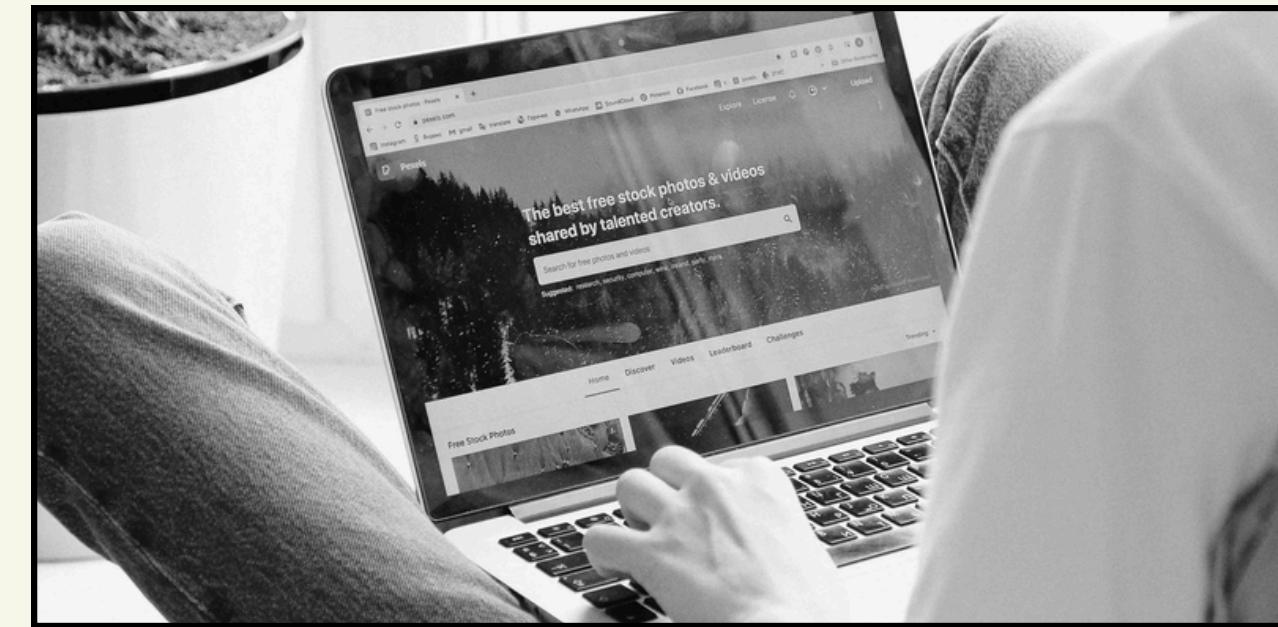
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# MYNTRA



Established by Mukesh Bansal along with Ashutosh Lawania and Vineet Saxena, Myntra sold on-demand personalized gift items. It mainly operated on the B2B (business-to-business) model during its initial years

Myntra is an Indian e-commerce company that sells fashion and lifestyle products online. It was founded in 2007–2008 to sell personalized gifts, but has since expanded to offer a wide range of products, including clothing, footwear, accessories, jewelry, and personal care products. Myntra works with over 6,000 brands, including H&M, Levis, Tommy Hilfiger, Nike, and Puma. The company is headquartered in Bengaluru, Karnataka, and services over 19,000 pin codes across India.



# PROBLEM STATEMENT

01 **You are working at Myntra, a leading online fashion retailer.**

02 **The management has asked you to analyze a dataset of various apparel items to gain insights into pricing, discounts, ratings, and available sizes.**

03 **The Data Analysis was done based on only 5000 rows and only relevant columns to avoid any system lag and create smooth calculations.**

# #1 DATA CLEANING & PREPARATION

## PROJECT QUESTIONS

01

Check for duplicate values in your dataset and remove them.

02

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

03

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

04

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

# RAW DATASET

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	URL	Product_id	BrandName	Category	Individual	category_	Description	DiscountP	OriginalPrice	DiscountOff	SizeOptions	Ratings	Reviews
2	https://www.2296012	Roadster	Bottom Wear	jeans	Men	roadster men	824	1499	45% OFF	28, 30, 32,	3.9	999	
3	https://www.13780156	LOCOMOTIVE	Bottom Wear	track-pant	Men	locomotive men	517	1149	55% OFF	S, M, L, XL	4	999	
4	https://www.11895958	Roadster	Topwear	shirts	Men	roadster men	629	1399	55% OFF	38, 40, 42,	4.3	999	
5	https://www.4335679	Zivame	Lingerie & shapewear	wear	Women	zivame women	893	1295	31% OFF	S, M, L, XL	4.2	999	
6	https://www.11690882	Roadster	Western	tshirts	Women	roadster women white	599	35% OFF	XS, S, M, L	4.2	999		
7	https://www.2490950	Mast & Harbour	Western	tops	Women	mast harbour women	599	40% OFF	XS, S, M, L	4.4	999		
8	https://www.6744434	HIGHLANDER	Bottom Wear	trousers	Men	highlander men	599	1499	60% OFF	30, 32, 34,	3.9	998	
9	https://www.8439415	Mayra	Western	tops	Women	mayra pink embroidery	1395	58% OFF	S, M, L, XL	3.7	998		
10	https://www.17381394	Roadster	Western	tshirts	Women	roadster women pack	1098		XS, S, M, L	4.3	997		
11	https://www.2359257	HERE&NOW	Bottom Wear	jeans	Men	herenow men blue sl	2749		28, 30, 32,	3.5	996		
12	https://www.7695793	HRX by Hrithik Roshan	Sports Wear	tights	Men	hrx by hrithik	1214	2699	55% OFF	S, M, L, XL	4.4	996	
13	https://www.10307375	Roadster	Topwear	tshirts	Men	roadster men navy blue	699		XS, S, M, L	4.1	996		
14	https://www.12873874	Anubhute	Indian Wear	kurta-sets	Women	anubhute women	1019	3399	70% OFF	S, M, L, XL	4.2	996	
15	https://www.11634538	Athena	Western	jumpsuit	Women	athena women black	2499	50% OFF	XS, S, M, L	4.3	996		
16	https://www.2312181	Roadster	Western	tshirts	Women	roadster women maroon	799	60% OFF	XS, S, M, L	4	996		
17	https://www.13842386	HIGHLANDER	Topwear	shirts	Men	highlander men	516	1099	53% OFF	39, 40, 42,	4.2	995	
18	https://www.10473520	Vishudh	Indian Wear	kurtas	Women	vishudh women	696	1699	59% OFF	S, M, L, XL	4.2	995	
19	https://www.10561392	Sangria	Plus Size	kurtas	Women	sangria women grey	3999		XS, S, M, L	4.3	995		
20	https://www.12391750	Tokyo Talkies	Western	trousers	Women	tokyo talkies women	2149	61% OFF	28, 30, 32,	4.1	995		
21	https://www.2522986	DressBerry	Western	tshirts	Women	dressberry women long	999	75% OFF	XS, S, M, L	4.3	995		
22	https://www.17385142	Roadster	Western	tshirts	Women	roadster women pack	1298		XS, S, M, L	4.4	994		
23	https://www.12153330	Anouk	Indian Wear	kurtas	Women	anouk women	719	1599	55% OFF	XS, S, M, L	3.8	993	
24	https://www.1864573	Enamor	Lingerie & bra		Women	enamor black non-wire	849		S, M, L, XL	4.2	993		
25	https://www.13205276	all about you	Western	shirts	Women	all about you women	1499	50% OFF	XS, S, M, L	4.2	993		
26	https://www.11535928	KASSUALLY	Western	tops	Women	kassually blue floral	1299	62% OFF	XS, S, M, L	4.3	992		

# IMPORTANT STEP

1) SELECT A CELL FROM THE DATASET.

2) Press CTRL+T to convert your raw dataset into a TABLE.

The screenshot shows a Microsoft Excel spreadsheet with a raw dataset of product information. The data includes columns for category (Men/Women), product name, quantity, price, discount, and sizes. A callout bubble highlights the first cell of the dataset. The 'Create Table' dialog box is open, prompting for the range of data (\$A\$1:\$L\$5000) and indicating that the table has headers. The 'OK' button is highlighted.

Men	roadster m	824	1499	45% OFF	28, 30, 32,
Men	locomotive	517	1149	55% OFF	S, M, L, XL
Men	roadster m	629	1399	55% OFF	38, 40, 42,
Women					M, L, XL,
Women					S, S, M, L,
Women					S, S, M, L,
Men					0, 32, 34,
Women					M, L, XL
Women					S, S, M, L,
Men					3, 30, 32,
Men	hrx by hriti	1214	2699	55% OFF	S, M, L, XL,
Men	roadster men navy bli		699		XS, S, M, L,
Women	anubhutee	1019	3399	70% OFF	S, M, L, XL,
...					

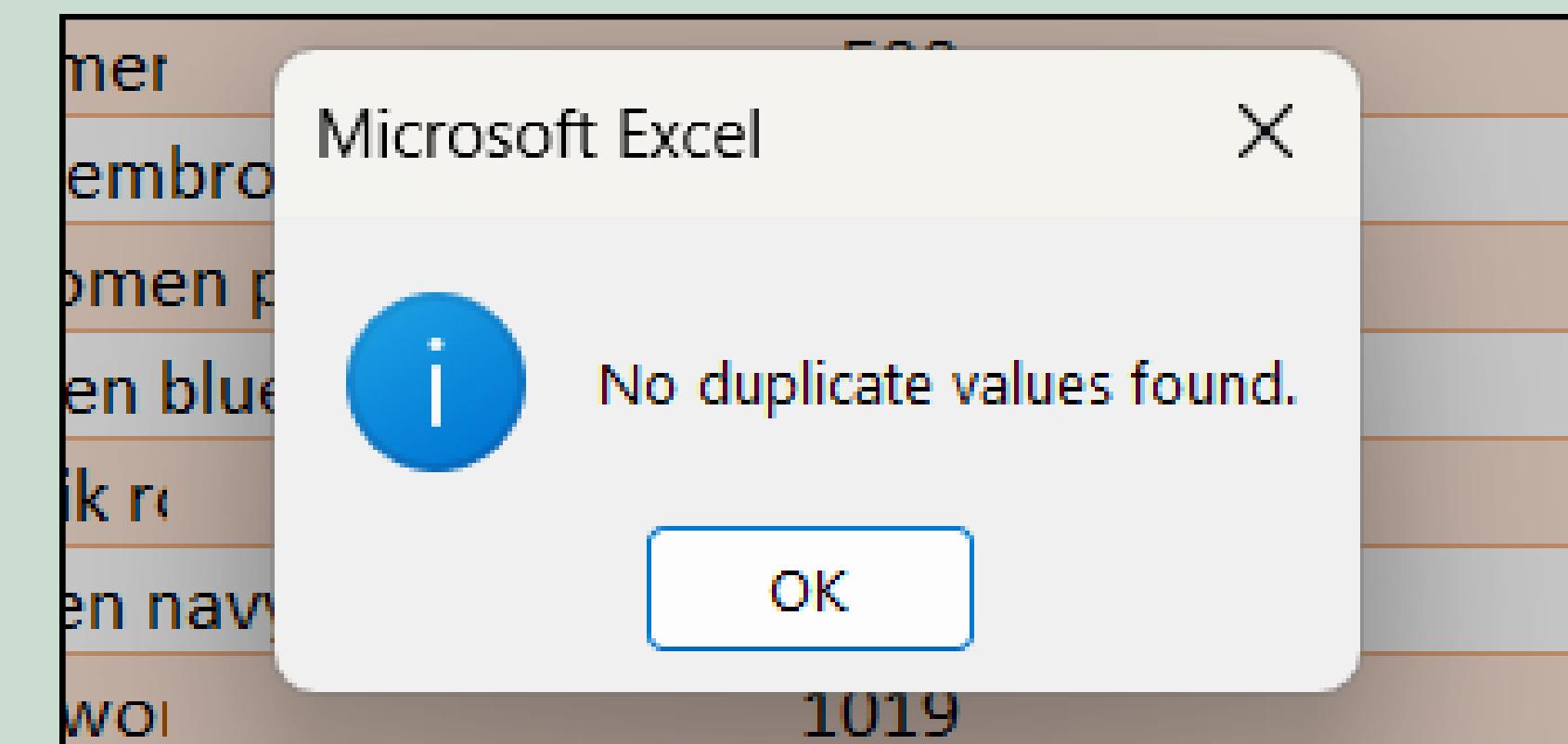
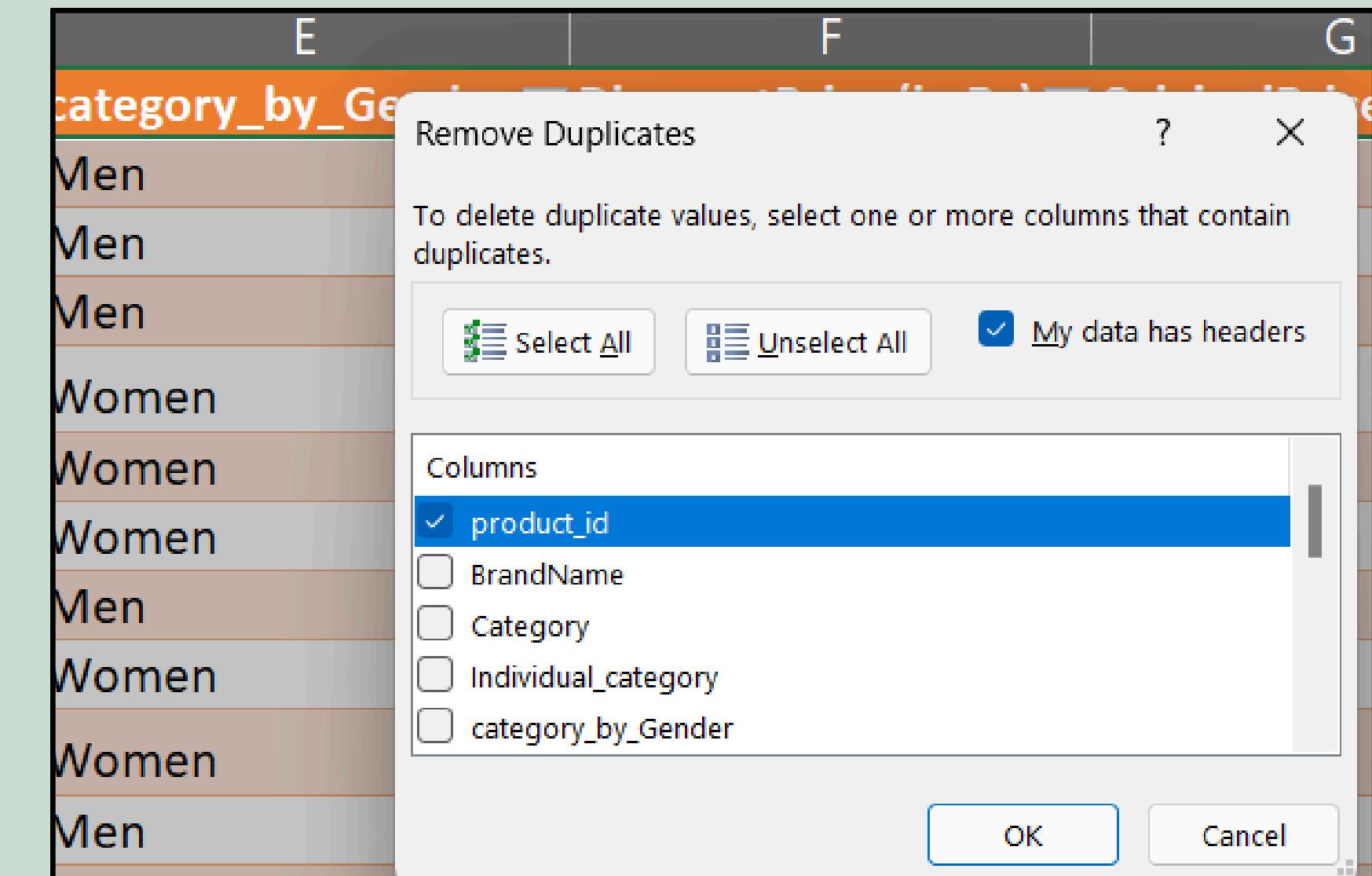
# • NOW THE RAW DATASET HAS BEEN CONVERTED INTO A TABLE...

	A	B	C	D	E	F	G	H	I
1	Column4	BrandName	Category	Individual_category	category_by_Gender	DiscountPrice (in Rs)	OriginalPrice (in Rs)	DiscountOffer	SizeOption
2	2296012	Roadster	Bottom Wear	jeans	Men	824	1499	45% OFF	28, 30, 32, 34,
3	13780156	LOCOMOTIVE	Bottom Wear	track-pants	Men	517	1149	55% OFF	S, M, L, XL
4	11895958	Roadster	Topwear	shirts	Men	629	1399	55% OFF	38, 40, 42, 44,
5	4335679	Zivame	Lingerie & Sl	shapewear	Women	893	1295	31% OFF	S, M, L, XL, XXI
6	11690882	Roadster	Western	tshirts	Women		599	35% OFF	XS, S, M, L, XL
7	2490950	Mast & Harbo	Western	tops	Women		599	40% OFF	XS, S, M, L, XL
8	6744434	HIGHLANDER	Bottom Wear	trousers	Men	599	1499	60% OFF	30, 32, 34, 36
9	8439415	Mayra	Western	tops	Women		1395	58% OFF	S, M, L, XL
10	17381394	Roadster	Western	tshirts	Women		1098		XS, S, M, L, XL
11	2359257	HERE&NOW	Bottom Wear	jeans	Men		2749		28, 30, 32, 34,
12	7695793	HRX by Hrithik	Sports Wear	tights	Men	1214	2699	55% OFF	S, M, L, XL, XXI
13	10307375	Roadster	Topwear	tshirts	Men		699		XS, S, M, L, XL,
14	12873874	Anubhutee	Indian Wear	kurta-sets	Women	1019	3399	70% OFF	S, M, L, XL, XXI
15	11634538	Athena	Western	jumpsuit	Women		2499	50% OFF	XS, S, M, L, XL
16	2312181	Roadster	Western	tshirts	Women		799	60% OFF	XS, S, M, L, XL
17	13842386	HIGHLANDER	Topwear	shirts	Men	516	1099	53% OFF	39, 40, 42, 44
18	10473520	Vishudh	Indian Wear	kurtas	Women	696	1699	59% OFF	S, M, L, XL, XXI
19	10561392	Sangria	Plus Size	kurta-sets	Women		3999		XS, S, M, L, XL,
20	12391750	Tokyo Talkies	Western	trousers	Women		2149	61% OFF	28, 30, 32, 34
21	25222996	DressBerry	Western	tshirts	Women		999	75% OFF	XS, S, M, L, XL

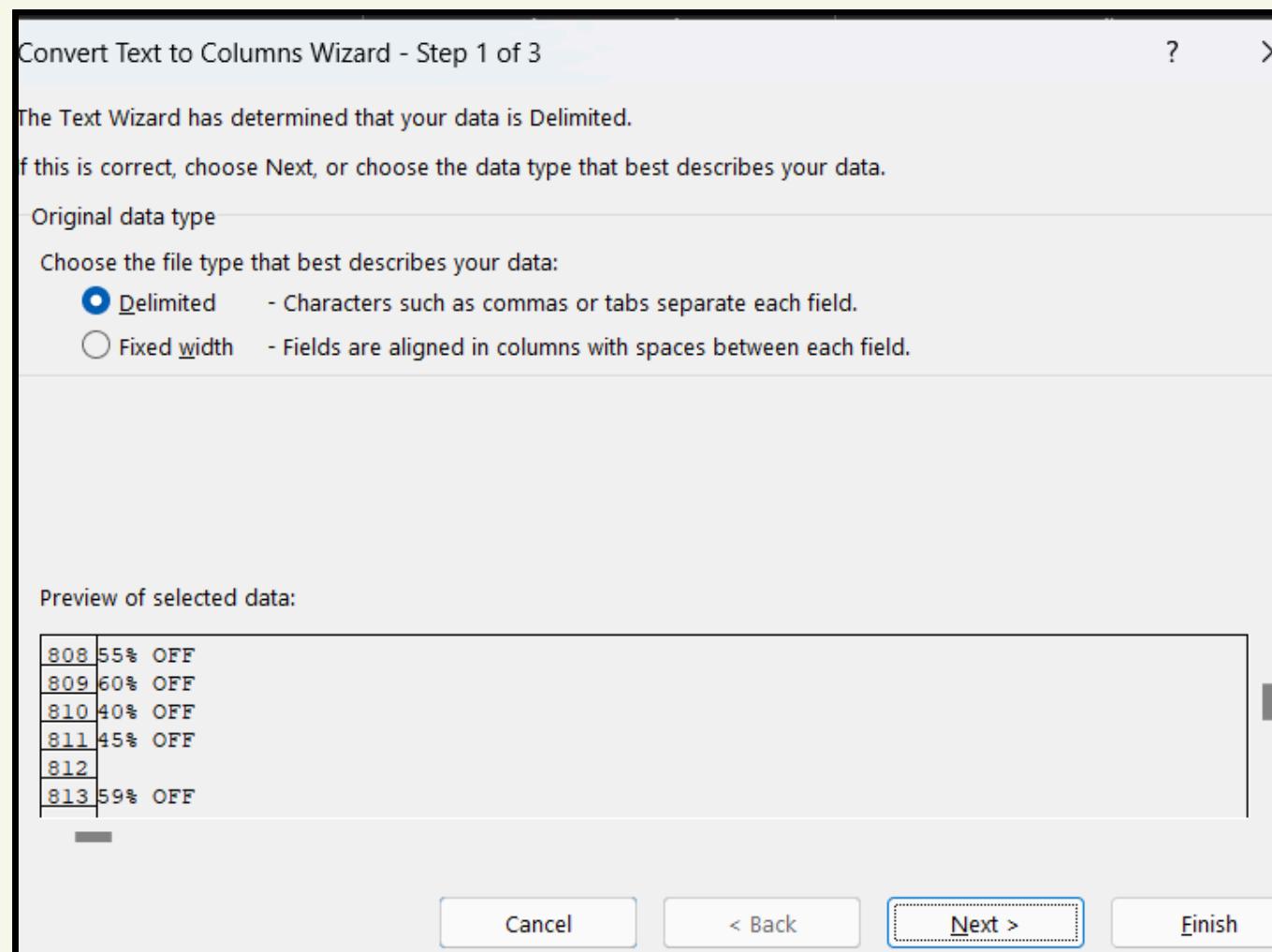
# 1) CHECK FOR DUPLICATE VALUES IN YOUR DATASET AND REMOVE THEM.

To remove duplicates we go to

1. Data Menu > Remove Duplicates
2. Unselect All and then choose Product\_id to remove duplicates based on Product\_id.
3. We found no duplicates.



## 2) STANDARDIZE THE "DISCOUNTOFFER" COLUMN TO A SINGLE FORMAT, ENSURING ALL VALUES ARE UNIFORM.



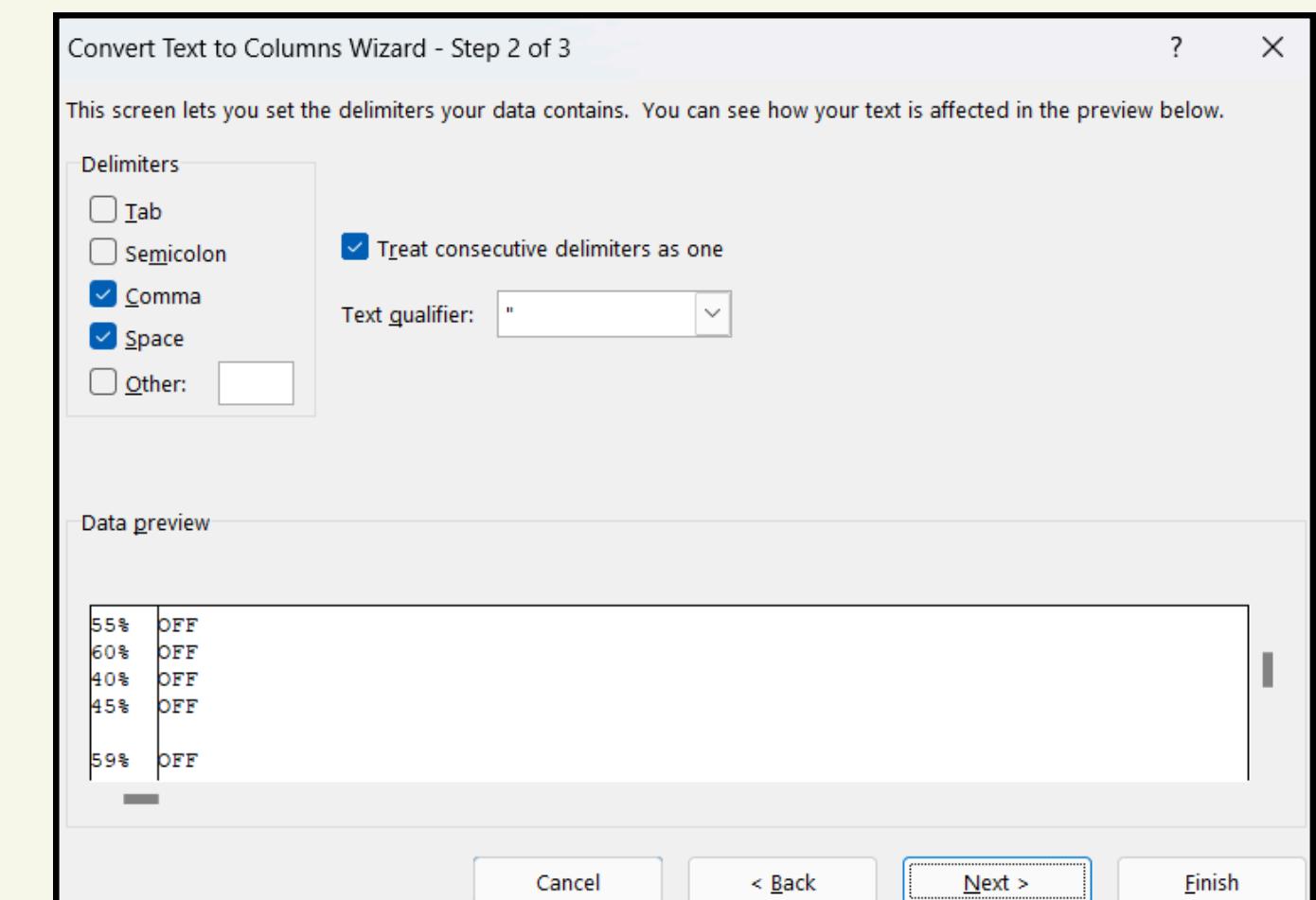
02

On the second step we will select Delimiter to be only 'comma' and 'space' after that we can move to final step of "TEXT TO COLUMN".

Firstly, we have to separate the "Discount column" into 2 new column..

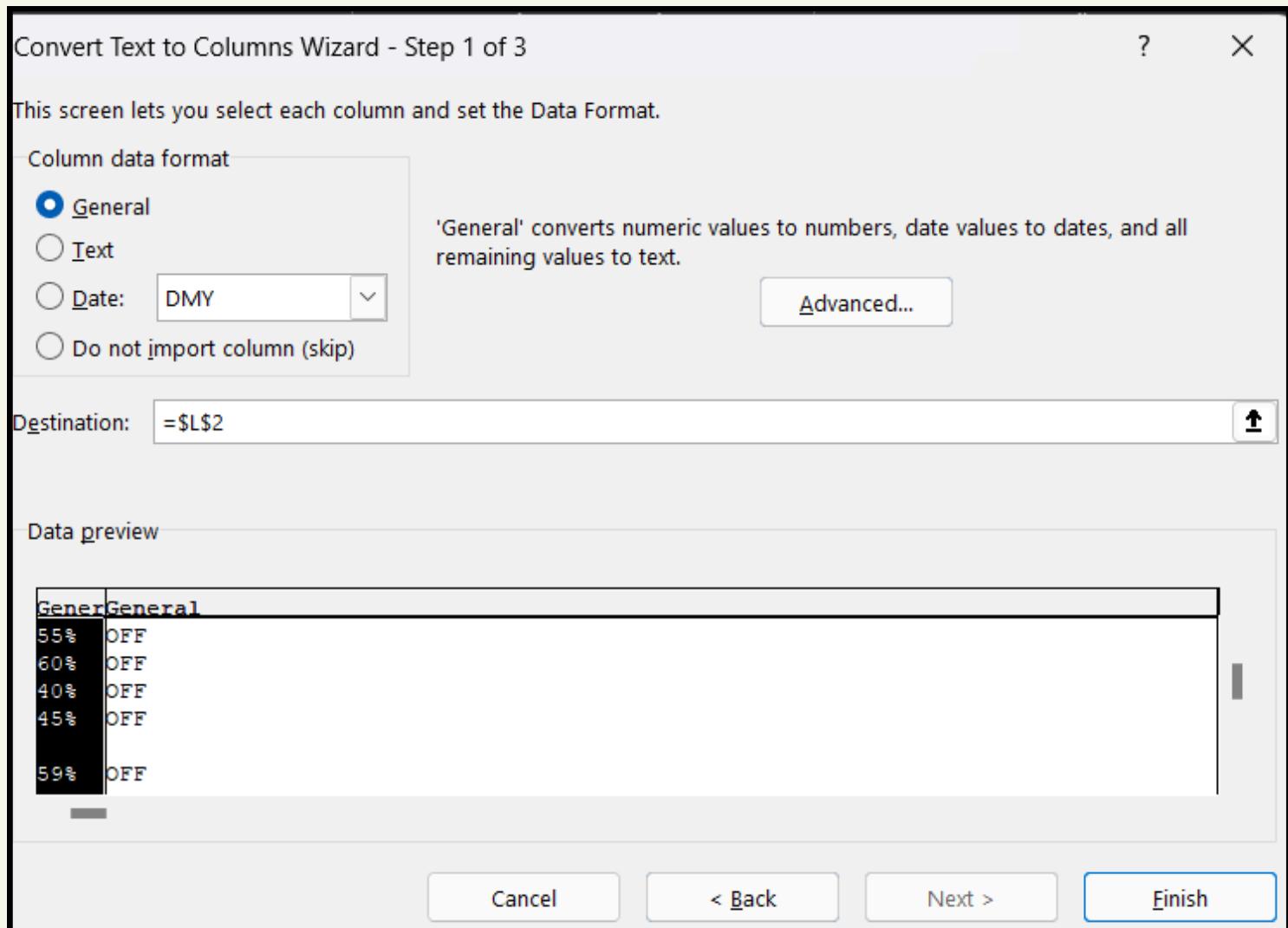
01

For this we will go to Ribbon>DATA > TEXT TO COLUMN and choose the 'Delimited' and then click on 'Next' for the next step.



# 03

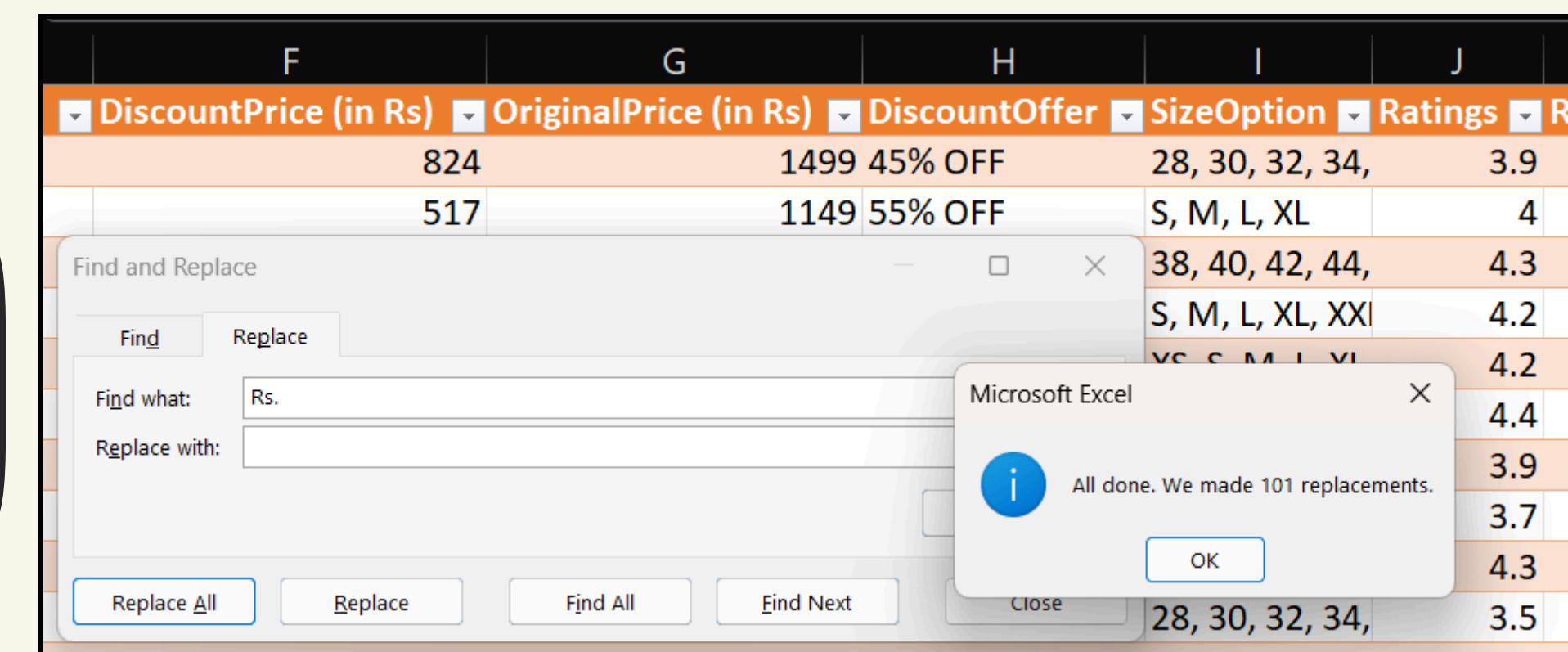
In the final step we will continue with “GENERAL” option in the ‘Column date format’ , then select the desirable destination for our new column and finally press ‘FINISH’ to apply.



# 04

After separating the “discount column” we will further use ‘Replace’ function by pressing CTRL+F to standardize new columns for further analysis and more clean data.

We will replace “Rs.” with blank  
(We can use TRIM function to eliminate ‘white spaces’)



# LAST STEP

L	M	N	O	P	Q	R	S	T
Column1	Column2							
45% OFF	=IF(ISNUMBER([@Column2]),[@Column2],IF(ISBLANK([@Column1])," ",[@Column1]*[@[OriginalPrice (in Rs)]]))							
55% OFF	631.95	631.95	High Discount	631.95				
55% OFF	769.45	769.45	High Discount	769.45				
31% OFF	401.45	401.45	Low Discount	401.45				
35% OFF	209.65	209.65	Low Discount	209.65				
40% OFF	239.6	239.60	Low Discount	239.6				
60% OFF	899.4	899.40	High Discount	899.4				
58% OFF	809.1	809.10	High Discount	809.1				

For the last step, we have standardized the different format of “DISCOUNT OFFER” column by creating separate columns for both format.

By using the Nested If formula, we have stated that ‘If Column 2 is a number type, then return that numeric value only .

By using another ‘IF’ function on condition 1, we have stated that ‘If Column 1 is blank then return “ ” , if not then Multiply ‘Column 1’ with ‘Original price column’

By following the above mentioned steps, we have ensured that all the “DISCOUNT OFFER” values have now been standardized. which was the part of DATA CLEANING & PREPARATION....

### 3) IDENTIFY ROWS WHERE BOTH "DISCOUNT PRICE" AND "DISCOUNTOFFER" ARE NULL AND FILL THE "DISCOUNT PRICE" WITH THE AVERAGE DISCOUNT PRICE OF THE RESPECTIVE CATEGORY.

**:- TO CHECK IF VALUES ARE NULL AND REPLACE THEM WITH THE AVERAGE**

- 1) We use the IF() formula to check for null values.**
- 2) If we find any null values we replace them with the Average values based on the category of the product from a particular Brand.**

- 3) To do this we use AVERAGEIFS() formula.**

N	O	P	Q	R	S	T	U	V
After di	=IF([@After discount price]="" ,AVERAGEIFS([After discount price],[Category],[@Category]),[@After discount price])							
674.55	=IF([@After discount price]="" ,AVERAGEIFS([After discount price],[Category],[@Category]),[@After discount price])	631.95	631.95 High Discount	631.95				
631.95		769.45	769.45 High Discount	769.45				
769.45		401.45	401.45 Low Discount	401.45				
401.45		209.65	209.65 Low Discount	209.65				
209.65		239.6	239.60 Low Discount	239.6				
239.6		899.4	899.40 High Discount	899.4				
899.4		809.1	809.10 High Discount	809.1				
809.1			818.41 Low Discount	279.5852				
			1017.05 Low Discount	1731.952				
		1484.45	1484.45 High Discount	1484.45				
			775.36 Low Discount	76.35787				
		2379.3	2379.30 High Discount	2379.3				
		1249.5	1249.50 Low Discount	1249.5				
		479.4	479.40 High Discount	479.4				
		582.47	582.47 High Discount	582.47				

# **:- TO FILL THE "DISCOUNT PRICE" WITH THE AVERAGE DISCOUNT PRICE OF THE RESPECTIVE CATEGORY.**

**1) Next step is to fill up all the null values with the 'Average discount price' of their respective category.....**

**2) For this we have used ABSOLUTE() formula to get absolute amount .  
(just to avoid any negative values)**

**We have stated that 'If' DISCOUNT PRICE is a numerical value, then return numeric value only otherwise subtract “ORIGINAL PRICE WITH ACTUAL PRICE” column.**

M	N	O	P	Q	R	S	T
Column2	After dis:	Actual p:	Column3				
FF	674.55	674.55	Low Discount	=ABS(IF(ISNUMBER([@[After discount price]]),[@[After discount price]],@[OriginalPrice (in Rs)]-[@[Actual price]]))			
FF	631.95	631.95	High Discount				
FF	769.45	769.45	High Discount	[@[Actual price]])			
FF	401.45	401.45	Low Discount				
FF	209.65	209.65	Low Discount	209.7			
FF	239.6	239.60	Low Discount	239.6			
FF	899.4	899.40	High Discount	899.4			
FF	809.1	809.10	High Discount	809.1			
	818.41	Low Discount	279.6				
	1017.05	Low Discount	1732.0				
FF	1484.45	1484.45	High Discount	1484.5			
	775.36	Low Discount	76.4				
FF	2379.3	2379.30	High Discount	2379.3			
FF	1249.5	1249.50	Low Discount	1249.5			
FF	479.4	479.40	High Discount	479.4			
FF	582.47	582.47	High Discount	582.5			
FF	1002.41	1002.41	High Discount	1002.4			
	1113.90	Low Discount	2885.1				

# **4) REPLACE ALL NULL VALUES IN THE "SIZE OPTION" COLUMN WITH THE TEXT "NOT AVAILABLE."**

**TO CHECK ALL THE NULL VALUES IN “SIZE OPTION” COLUMN WE:-**

- 1) We shall go to Header of the “SIZE OPTION” column.**
- 2) Click on the option for sort and filter.**
- 3) We shall scroll down and search for any null values in the filter table for ‘SIZE OPTION’ column.**

G	H	I	J	K
FinalPrice (in Rs)	DiscountOffer	SizeOption	Ratings	Review
149	A z ↓ Sort A to Z		3.9	
114	Z A ↓ Sort Z to A		4	
139	Sort by Color		4.3	
129	Sheet View		4.2	
59	Clear Filter From "SizeOption"		4.2	
59	Filter by Color		4.4	
149	Text Filters		3.9	
139	Search		3.7	
109	<input type="checkbox"/> XS, S, M, L, XL, XXL, 3XL, 4XL, 5XL		4.3	
274	<input type="checkbox"/> XS, S, M, L, XL, XXL, 3XL, 4XL, 5XL, 6XL		3.5	
269	<input type="checkbox"/> XS, XL, L, M, S		4.4	
69	<input type="checkbox"/> XXL, 3XL, 4XL, 5XL		4.1	
339	<input type="checkbox"/> XXL, 3XL, 4XL, 5XL, 6XL		4.2	
249	<input type="checkbox"/> XXL, XL, M, S, L		4.3	
79	<input type="checkbox"/> XXS, S, M, L, XL, XXL		4	
109	<input type="checkbox"/> XXS, XS, S, M, L, XL		4.2	
169		OK Cancel	4.2	
209			4.3	

**The filter shows that “SIZE OPTION” has “NO NULL VALUE”**

# CLEANED DATASET

File Home Insert Draw Page Layout Formulas Data Review View Developer Help Table Design Share

Cut Copy Paste Format Painter Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 A A Wrap Text General Conditional Formatting Table Cell Styles Insert Delete Format Fill Sort & Filter Clear

A1 : product\_id

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	product	BrandName	Category	Individual_category	category_by_Gender	DiscountPrice (in Rs)	OriginalPrice (in Rs)	DiscountOffer	SizeOptions	Rating	Review	Column1	Column2	After d	Actual	Column3	Column4	
2	2296012	Roadster	Bottom	We jeans	Men	824	1499	45% OFF	28, 30, 32, 34	3.9	999	45% OFF	674.55	674.55	Low Discount	674.6		
3	13780156	LOCOMOTIVE	Bottom	We track-pants	Men	517	1149	55% OFF	S, M, L, XL	4	999	55% OFF	631.95	631.95	High Discount	632.0		
4	11895958	Roadster	Topwear	shirts	Men	629	1399	55% OFF	38, 40, 42, 44	4.3	999	55% OFF	769.45	769.45	High Discount	769.5		
5	4335679	Zivame	Lingerie & S	shapewear	Women	893	1295	31% OFF	S, M, L, XL, Xl	4.2	999	31% OFF	401.45	401.45	Low Discount	401.5		
6	11690882	Roadster	Western	tshirts	Women		599	35% OFF	XS, S, M, L, XI	4.2	999	35% OFF	209.65	209.65	Low Discount	209.7		
7	2490950	Mast & Harbo	Western	tops	Women		599	40% OFF	XS, S, M, L, XI	4.4	999	40% OFF	239.6	239.60	Low Discount	239.6		
8	6744434	HIGHLANDER	Bottom	We trousers	Men	599	1499	60% OFF	30, 32, 34, 36	3.9	998	60% OFF	899.4	899.40	High Discount	899.4		
9	8439415	Mayra	Western	tops	Women		1395	58% OFF	S, M, L, XL	3.7	998	58% OFF	809.1	809.10	High Discount	809.1		
10	17381394	Roadster	Western	tshirts	Women		1098		XS, S, M, L, XI	4.3	997			818.41	Low Discount	279.6		
11	2359257	HERE&NOW	Bottom	We jeans	Men		2749		28, 30, 32, 34	3.5	996			1017.05	Low Discount	1732.0		
12	7695793	HRX by Hrithik	Sports	We tights	Men	1214	2699	55% OFF	S, M, L, XL, Xl	4.4	996	55% OFF	1484.45	1484.45	High Discount	1484.5		
13	10307375	Roadster	Topwear	tshirts	Men		699		XS, S, M, L, XI	4.1	996			775.36	Low Discount	76.4		
14	12873874	Anubhutee	Indian Wear	kurta-sets	Women	1019	3399	70% OFF	S, M, L, XL, Xl	4.2	996	70% OFF	2379.3	2379.30	High Discount	2379.3		
15	11634538	Athena	Western	jumpsuit	Women		2499	50% OFF	XS, S, M, L, XI	4.3	996	50% OFF	1249.5	1249.50	Low Discount	1249.5		
16	2312181	Roadster	Western	tshirts	Women		799	60% OFF	XS, S, M, L, XI	4	996	60% OFF	479.4	479.40	High Discount	479.4		
17	13842386	HIGHLANDER	Topwear	shirts	Men	516	1099	53% OFF	39, 40, 42, 44	4.2	995	53% OFF	582.47	582.47	High Discount	582.5		
18	10473520	Vishudh	Indian Wear	kurtas	Women	696	1699	59% OFF	S, M, L, XL, Xl	4.2	995	59% OFF	1002.41	1002.41	High Discount	1002.4		
19	10561392	Sangria	Plus Size	kurtas	Women		3999		XS, S, M, L, XI	4.3	995			1113.90	Low Discount	2885.1		
20	12391750	Tokyo Talkies	Western	trousers	Women		2149	61% OFF	28, 30, 32, 34	4.1	995	61% OFF	1310.89	1310.89	High Discount	1310.9		
21	2522986	DressBerry	Western	tshirts	Women		999	75% OFF	XS, S, M, L, XI	4.3	995	75% OFF	749.25	749.25	High Discount	749.3		
22	17385142	Roadster	Western	tshirts	Women		1298		XS, S, M, L, XI	4.4	994			818.41	Low Discount	479.6		
23	12153330	Anouk	Indian Wear	kurtas	Women	719	1599	55% OFF	XS, S, M, L, XI	3.8	993	55% OFF	879.45	879.45	High Discount	879.5		
24	1864573	Enamor	Lingerie & S	bra	Women		849		S, M, L, XL	4.2	993			537.21	Low Discount	311.8		
25	13205276	all about you	Western	shirts	Women		1499	50% OFF	XS, S, M, L, XI	4.2	993	50% OFF	749.5	749.50	Low Discount	749.5		
26	11535928	KASSUALLY	Western	tops	Women		1299	62% OFF	XS, S, M, L, XI	4.3	992	62% OFF	805.38	805.38	High Discount	805.4		
27	6552977	RARE	Western	tops	Women		1299	57% OFF	S, M, L, XL	4.2	991	57% OFF	740.43	740.43	High Discount	740.4		
28	9476129	Zastraa	Western	trousers	Women		2699	70% OFF	26, 28, 30, 32	4.1	991	70% OFF	1889.3	1889.30	High Discount	1889.3		
29	2017530	WISSTLER	Western	shorts	Women		899	61% OFF	26, 28, 30, 32	4	991	61% OFF	548.39	548.39	High Discount	548.4		
30	11173948	Sangria	Plus Size	kurtas	Women		359	899	60% OFF, Hurry! XS, S, M, L, XI	4	990	60% OFF	539.4	539.40	High Discount	539.4		

MYNTRA project (edited version)

# #2 DATA ANALYSIS

## PROJECT QUESTIONS

**Q-01**

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

**Q-02**

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

**Q-03**

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

**Q-04**

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."

# Q1. CALCULATE THE OVERALL AVERAGE ORIGINAL PRICE FOR PRODUCTS WITH RATINGS GREATER THAN 4.

S	T	U	V	W	X	Y
<b>AVERAGEIF Formula</b>	=ROUND(AVERAGEIF(Table1[Ratings],">4",Table1[OriginalPrice (in Rs)]),2)					
Average original price rating >4	1621.55					

We calculated the overall average Rating of the PRICE for PRODUCTS whose rating were greater than 4 with the help of AVERAGEIF() formula.

We have also used ROUND() formula to get our result in round figures....

## Q2. COUNT THE NUMBER OF PRODUCTS WITH A DISCOUNT OFFER GREATER THAN 50% OFF.

U	V	W	X
<i>COUNTIF Formula</i>	=COUNTIF(Table1[Column1],">50%")		
When discount >50%		2644	

We have counted the number of products with a discount offer greater than 50% OFF with the help of COUNTIF() formula....

# Q3. COUNT THE NUMBER OF PRODUCTS AVAILABLE IN SIZE "M."

The screenshot shows a spreadsheet interface with several tabs at the top: DiscountOffer, SizeOption, Ratings, and Reviews. The SizeOption tab is active. A context menu is open over a row of data, with the 'Text Filters' option selected. This leads to a sub-menu where 'Contains' is chosen. A 'Custom AutoFilter' dialog box is displayed, showing the 'contains' operator and the value 'M'. The main spreadsheet area shows a list of products, and the task bar at the bottom right displays the count 'Count: 3344'.

First step is to go to Sort and Filter > Text Filter > Contains.

TYPE M IN THE “CUSTOM AUTO FILTER” AND THEN PRESS OK

WE CAN SEE THE RESULTS IN TASK BAR WHICH IS 3344

# FORMULA TO COUNT THE NUMBER OF PRODUCT AVAILABLE OF “M” SIZE.

S	T	U
<b>COUNTIF FORMULA</b>	=COUNTIF(Table1[SizeOption],"*M*")	
number of product available of "M" size		3344

We counted the number of Product available in “M” size with the help of COUNTIF() formula.

TO CREATE A COLUMN WHICH CATEGORIZES THE DISCOUNT OFFER AS "HIGH DISCOUNT" AND "LOW DISCOUNT" :-

We can use IF() formula to create a new column which label Discount offer as High or Low.

#### Q4. 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."

L	M	N	O	P	Q	R	S
Column1	Column2	After dis	Actual p				
45% OFF		674.55	674.55	=IF([@Column1]>50%, "High Discount", "Low Discount")			
55% OFF		631.95	631.95		H IF(logical_test, [value_if_true], [value_if_false])		
55% OFF		769.45	769.45	High Discount			
31% OFF		401.45	401.45	Low Discount			
35% OFF		209.65	209.65	Low Discount			
40% OFF		239.6	239.60	Low Discount			
60% OFF		899.4	899.40	High Discount			
58% OFF		809.1	809.10	High Discount			

# #3 DATA RETRIEVAL AND LOOKUP

## PROJECT QUESTIONS

**Q-01**

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

**Q-02**

1. Find the "DiscountPrice" for the product with the Product ID "6744434" using the INDEX and MATCH functions.

**Q-03**

1. Utilize nested xlookup to find any column's detail of a product with it's product id.

# Q1. USE VLOOKUP/XLOOKUP TO FIND THE PRODUCT BRAND, PRICE, AND RATING OF THE PRODUCT WITH PRODUCT\_ID "11226634".

S	T	U	V
<b>LOOKUP Value</b>	7695793		
<b>VLOOKUP FORMULA</b>	<code>=VLOOKUP(T1,A3:P4998,{2,7,10},FALSE)</code>		
	HRX by Hrithik Roshan	2699	4.4
	Brand name	Original price	Rating

HERE WE USED THE VLOOKUP() FORMULA TO FIND BRAND NAME, PRICE AND RATING OF THE PRODUCT .

We have targeted '7695793' instead of '11226634' because the dataset was reduced to 5000 Rows which resulted in elimination of '11226634'

## Q2. FIND THE "DISCOUNT PRICE" FOR THE PRODUCT WITH THE PRODUCT ID "6744434" USING THE INDEX AND MATCH FUNCTIONS.

S	T	U	V	W	X	Y
<i>Index and Match formula</i>	=INDEX(Table1[DiscountPrice (in Rs)],MATCH(A5,Table1[product_id],0))					
Discounted price	893					

Here, we used Nested INDEX and MATCH formula to find out the discounted price of Product ID '6744434'.

We have targeted Product ID '4335679' instead of '6744434' because the Dataset was reduced to 5000 Rows which resulted in elimination of '6744434'.

**Q3. UTILIZE NESTED XLOOKUP TO FIND ANY COLUMN'S DETAIL OF A PRODUCT WITH IT'S PRODUCT ID.**

S	T	U
<i>LOOKUP value</i>	2296012	
<b>Data validation (list)</b>	SizeOption	
<b>NESTED XLOOKUP</b>	SizeOption Ratings Reviews Column1 Column2 After discount price Actual price Column3	

## **For this we have to go to :-**

**Ribbon > Data Validation >Validation criteria > choose ‘list’ > define source  
(Source shall be the those header which we choose to get information about)**

S	T	U	V	W	X	Y
<i>LOOKUP value</i>	2296012					
<b>Data validation (list)</b>	SizeOption					
<b>NESTED XLOOKUP formula</b>	=XLOOKUP(T3,Table1[product_id],XLOOKUP(T5,Table1[#Headers],Table1))					
<i>List correspondence</i>	28, 30, 32, 34, 36					

**Here we have utilized nested XLOOKUP  
to get column detail of Product\_ID  
'2296012' with the help of Data  
Validation**

# FINAL DATASET

File Home Insert Draw Page Layout Formulas **Data** Review View Developer Help

Get Data ▾ From Text/CSV From Web From Table/Range Recent Sources Existing Connections Refresh All ▾ Queries & Connections Properties Edit Links Sort Advanced Filter Text to Columns Consolidate Reapply Relationships What-If Analysis ▾ Forecast Sheet Group Ungroup Subtotal Forecast Outline

Y12 : X ✓ fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	product	BrandName	Category	Individual_category	category_by_Gender	OriginalPrice (in Rs)	DiscountOffer	SizeOption	Ratings	Review	Column	Column2	After dis	Actual	Column	Column3		
2	2296012	Roadster	Bottom We	jeans	Men	1499	45% OFF	28, 30, 32, 34, 3	3.9	999	45% OFF	674.55	674.55	Low Disco	674.6			
3	13780156	LOCOMOTIVE	Bottom We	track-pants	Men	1149	55% OFF	S, M, L, XL	4	999	55% OFF	631.95	631.95	High Disco	632.0			
4	11895958	Roadster	Topwear	shirts	Men	1399	55% OFF	38, 40, 42, 44, 4	4.3	999	55% OFF	769.45	769.45	High Disco	769.5			
5	4335679	Zivame	Lingerie & S	shapewear	Women	1295	31% OFF	S, M, L, XL, XXL	4.2	999	31% OFF	401.45	401.45	Low Disco	401.5			
6	11690882	Roadster	Western	tshirts	Women	599	35% OFF	XS, S, M, L, XL	4.2	999	35% OFF	209.65	209.65	Low Disco	209.7			
7	2490950	Mast & Harbo	Western	tops	Women	599	40% OFF	XS, S, M, L, XL	4.4	999	40% OFF	239.6	239.60	Low Disco	239.6			
8	6744434	HIGHLANDER	Bottom We	trousers	Men	1499	60% OFF	30, 32, 34, 36	3.9	998	60% OFF	899.4	899.40	High Disco	899.4			
9	8439415	Mayra	Western	tops	Women	1395	58% OFF	S, M, L, XL	3.7	998	58% OFF	809.1	809.10	High Disco	809.1			
10	17381394	Roadster	Western	tshirts	Women	1098		XS, S, M, L, XL	4.3	997		818.41	818.41	Low Disco	279.6			
11	2359257	HERE&NOW	Bottom We	jeans	Men	2749		28, 30, 32, 34, 3	3.5	996		1017.05	1017.05	Low Disco	1732.0			
12	7695793	HRX by Hrithik	Sports Wea	tights	Men	2699	55% OFF	S, M, L, XL, XXL	4.4	996	55% OFF	1484.45	1484.45	High Disco	1484.5			
13	10307375	Roadster	Topwear	tshirts	Men	699		XS, S, M, L, XL, X	4.1	996		775.36	775.36	Low Disco	76.4			
14	12873874	Anubhutee	Indian Wear	kurta-sets	Women	3399	70% OFF	S, M, L, XL, XXL	4.2	996	70% OFF	2379.3	2379.30	High Disco	2379.3			
15	11634538	Athena	Western	jumpsuit	Women	2499	50% OFF	XS, S, M, L, XL	4.3	996	50% OFF	1249.5	1249.50	Low Disco	1249.5			
16	2312181	Roadster	Western	tshirts	Women	799	60% OFF	XS, S, M, L, XL	4	996	60% OFF	479.4	479.40	High Disco	479.4			
17	13842386	HIGHLANDER	Topwear	shirts	Men	1099	53% OFF	39, 40, 42, 44	4.2	995	53% OFF	582.47	582.47	High Disco	582.5			
18	10473520	Vishudh	Indian Wear	kurtas	Women	1699	59% OFF	S, M, L, XL, XXL	4.2	995	59% OFF	1002.41	1002.41	High Disco	1002.4			
19	10561392	Sangria	Plus Size	kurta-sets	Women	3999		XS, S, M, L, XL, X	4.3	995		1113.90	1113.90	Low Disco	2885.1			
20	12391750	Tokyo Talkies	Western	trousers	Women	2149	61% OFF	28, 30, 32, 34	4.1	995	61% OFF	1310.89	1310.89	High Disco	1310.9			
21	2522986	DressBerry	Western	tshirts	Women	999	75% OFF	XS, S, M, L, XL	4.3	995	75% OFF	749.25	749.25	High Disco	749.3			
22	17385142	Roadster	Western	tshirts	Women	1298		XS, S, M, L, XL	4.4	994		818.41	818.41	Low Disco	479.6			
23	12153330	Anouk	Indian Wear	kurtas	Women	1599	55% OFF	XS, S, M, L, XL, X	3.8	993	55% OFF	879.45	879.45	High Disco	879.5			
24	1864573	Enamor	Lingerie & S	bra	Women	849		S, M, L, XL	4.2	993		537.21	537.21	Low Disco	311.8			
25	13205276	all about you	Western	shirts	Women	1499	50% OFF	XS, S, M, L, XL	4.2	993	50% OFF	749.5	749.50	Low Disco	749.5			
26	11535928	KASSUALLY	Western	tops	Women	1299	62% OFF	XS, S, M, L, XL, X	4.3	992	62% OFF	805.38	805.38	High Disco	805.4			
27	6552977	RARE	Western	tops	Women	1299	57% OFF	S, M, L, XL	4.2	991	57% OFF	740.43	740.43	High Disco	740.4			
28	9476129	Zastraa	Western	trousers	Women	2699	70% OFF	26, 28, 30, 32, 3	4.1	991	70% OFF	1889.3	1889.30	High Disco	1889.3			
29	2017530	WISSTLER	Western	shorts	Women	899	61% OFF	26, 28, 30, 32, 3	4	991	61% OFF	548.39	548.39	High Disco	548.4			
30	11173948	Sangria	Plus Size	kurtas	Women	899	60% OFF, Hurry*	XS, S, M, L, XL, X	4	990	60% OFF	539.4	539.40	High Disco	539.4			

# THANK YOU

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