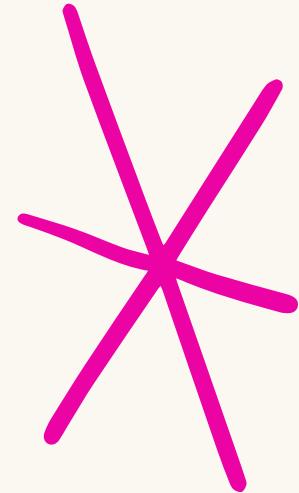
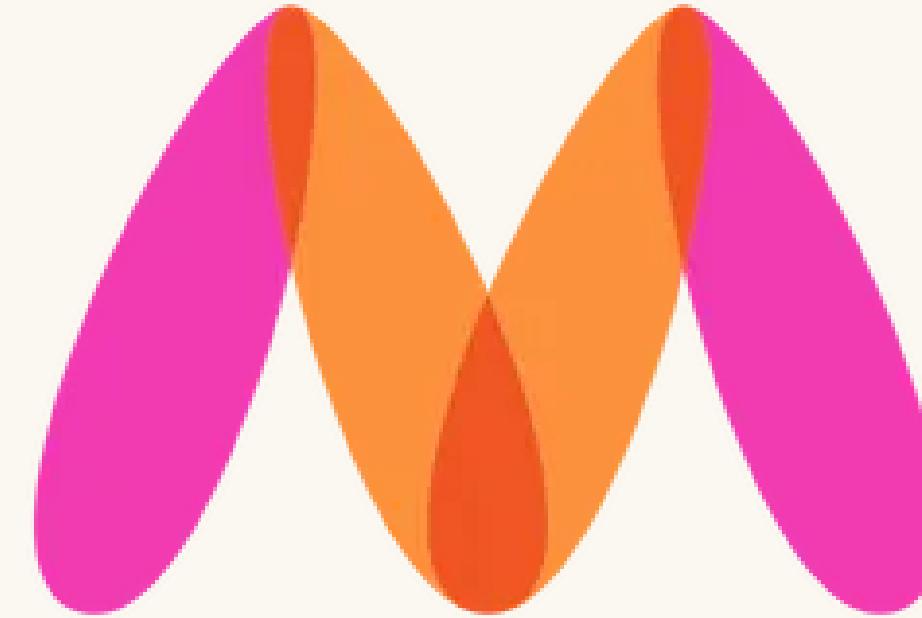




By Amanjot Singh

# Myantra Apparel Analysis



# Introduction

Mynta, a leading e-commerce company based in India, specializes in selling clothing and lifestyle products, aims to optimize its offerings and improve customer satisfaction through data-driven decisions. This project focuses on analyzing Mynta's apparel dataset to provide key insights into pricing strategies, discount patterns, customer ratings, and size availability.



Amanjot Singh

# Project Questions

## A. Data Cleaning and Preparation

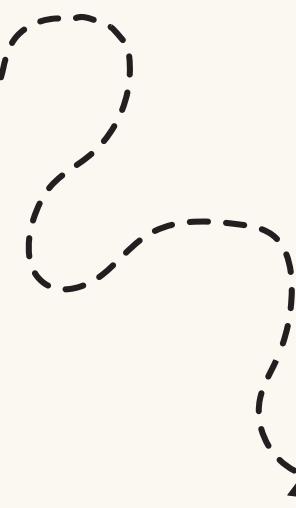
- Remove duplicate values.
- Standardize the "DiscountOffer" column.
- Fill null "DiscountPrice" with the category's average where both "DiscountPrice" and "DiscountOffer" are null.
- Replace null values in "SizeOption" with "Not Available."

## B. Data Analysis

- Calculate the average original price for products with ratings > 4.
- Count products with discounts > 50% OFF.
- Count products available in size "M."
- Label products as "High Discount" if the discount > 50%, otherwise "Low Discount."

## C. Data Retrieval and Lookup

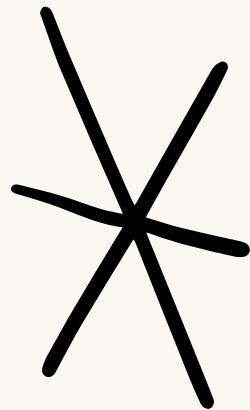
- Use VLOOKUP/XLOOKUP to find brand, price, and rating for Product\_id "11226634."
- Use INDEX and MATCH to find "DiscountPrice" for Product\_id "6744434."
- Use nested XLOOKUP to retrieve any column's details by product ID.



**STEP: 1**

# Data Cleaning and Preparation

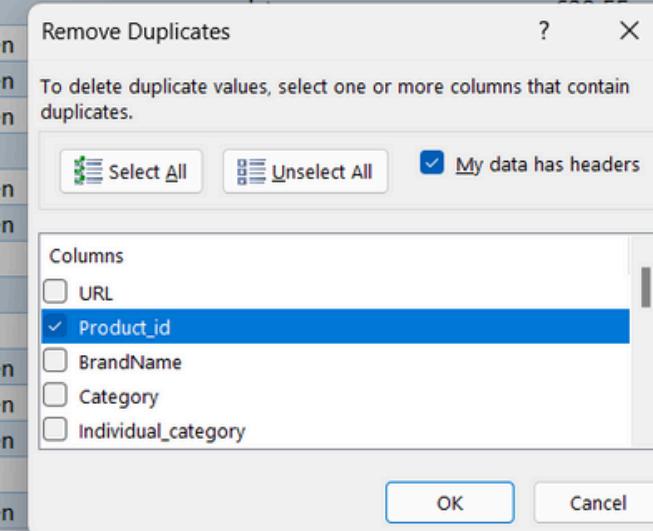
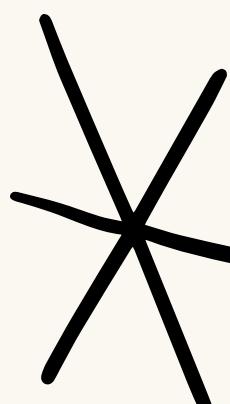
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Amanjot Singh

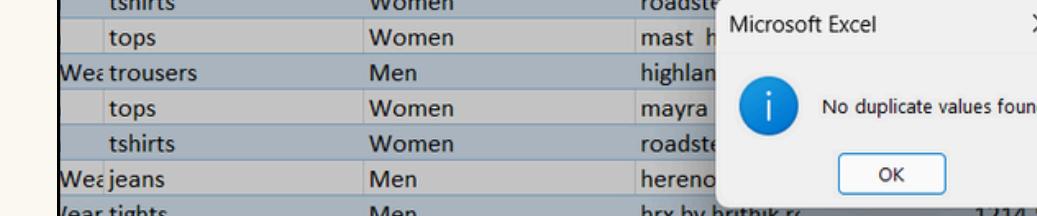
# Removal of Duplicate Values from the Data

Category	Individual_category	category_by_Gender	Description	ActualPrice(inRs)	Column1	OriginalPrice (in Rs)	Discount
Bottom Wear	jeans	Men	roadster men r	824.45	824.45	1499 45% OFF	
Bottom Wear	track-pants	Men	locomotive me	517.05	517.05	1149 55% OFF	
Topwear	shirts	Men	roadster men r	629.55	629.55	1399 55% OFF	
Lingerie & Sl	shapewear	Women	zivame women	893.55	893.55	1295 31% OFF	
Western	tshirts	Women	roadster women pack of 2 printed cott	389.35	389.35	599 35% OFF	
Western	tops	Women	anouk women	359.4	359.4	599 40% OFF	
Bottom Wear	trousers	Men	tokyo talkies w	599.6	599.6	1499 60% OFF	
Western	tops	Women	dressberry wor	585.9	585.9	1395 58% OFF	
Bottom Wear	jeans	Men	roadster men r	1098	1098		
Sports Wear	tights	Men	highlander mer	2749	2749		
Topwear	tshirts	Men	mayra roadster	1214.55	1214.55	2699 55% OFF	
Indian Wear	kurta-sets	Women	hereno roadster	699	699		
Western	jumpsuit	Women	hxr by hritik rc	1019.7	1019.7	3399 70% OFF	
Western	tshirts	Women	roadster men navy blue white striped p	1249.5	1249.5	2499 50% OFF	
Topwear	shirts	Men	anubhutee wo	319.6	319.6	799 60% OFF	
Indian Wear	kurtas	Women	athena women	516.53	516.53	1099 53% OFF	
Lingerie & Sl	bra	Women	roadster wome	696.59	696.59	1699 59% OFF	
Western	shirts	Women	highlander mer	3999	3999		
Western	tops	Women	sangria women green off white printed	849	849		
Plus Size	kurta-sets	Women	tokyo talkies w	838.11	838.11	2149 61% OFF	
Western	trousers	Women	dressberry wor	249.75	249.75	999 75% OFF	
Western	tshirts	Women	roadster women pack of 2 printed cott	1298	1298		
Indian Wear	kurtas	Women	anouk women	719.55	719.55	1599 55% OFF	
Lingerie & Sl	bra	Women	enamor black non wired removable pad	749.5	749.5	1499 50% OFF	
Western	shirts	Women	all about you w	1499 50% OFF	1499 50% OFF		
Western	tops	Women	highlander mer	1200 62% OFF	1200 62% OFF		



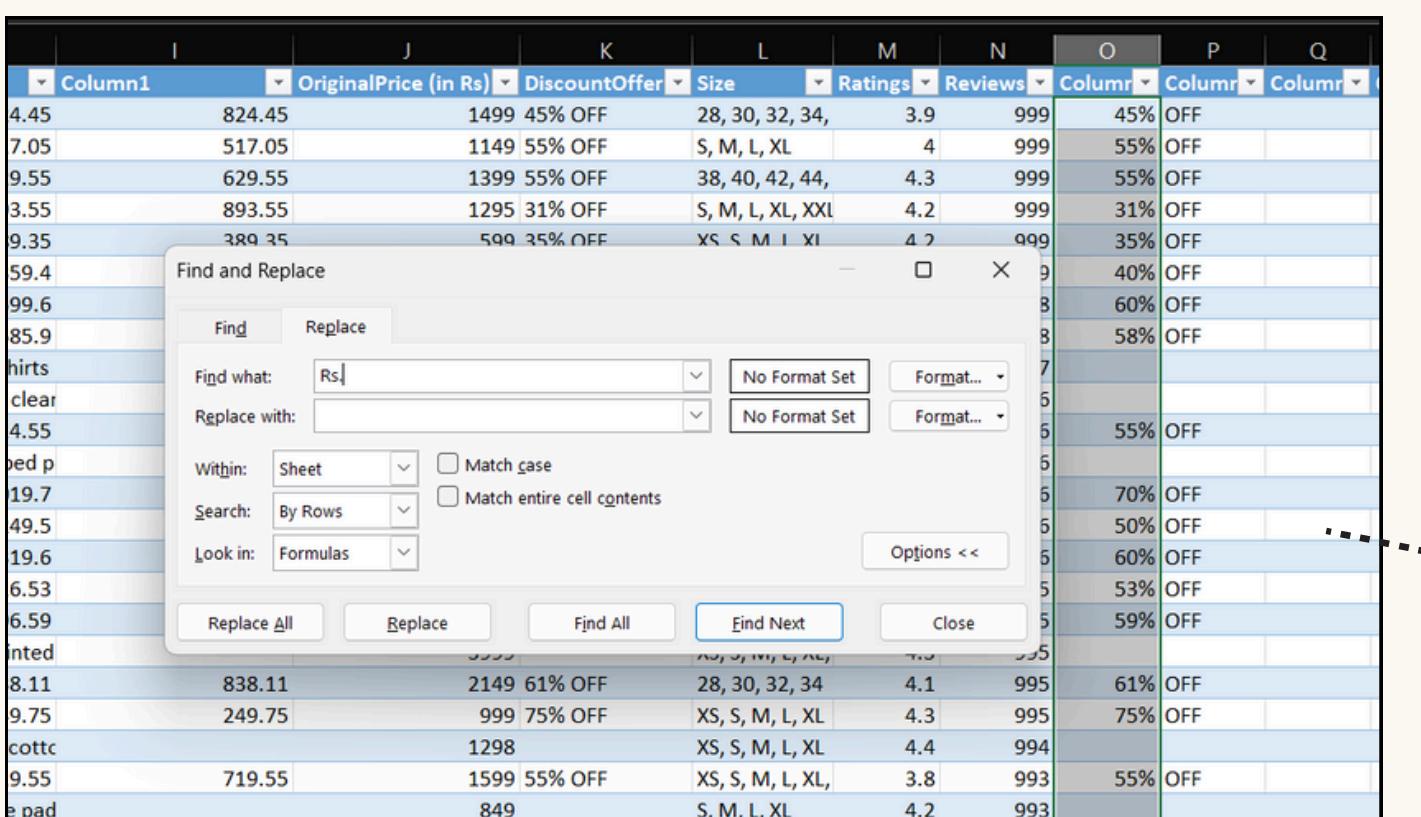
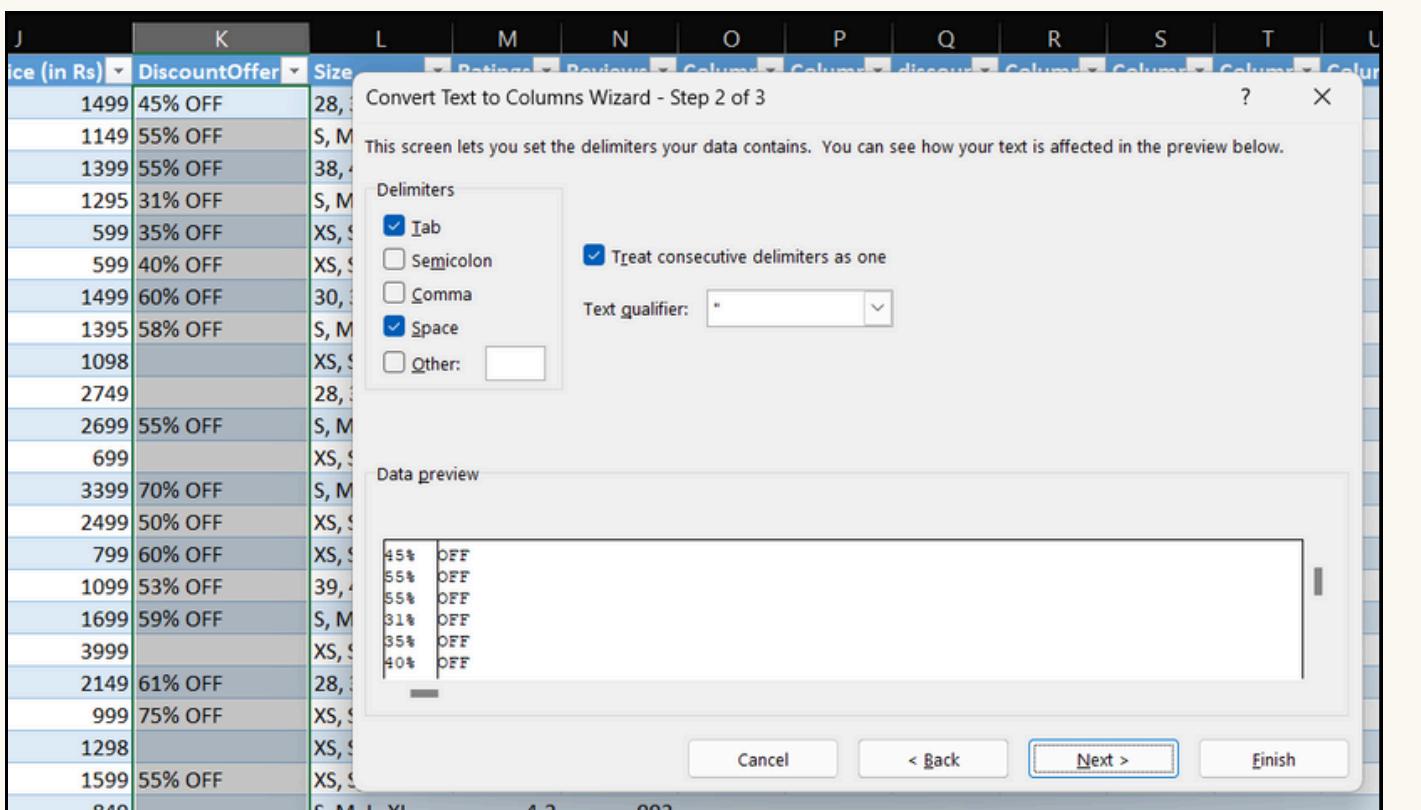
Select the data, go to the Data tab, and click Remove Duplicates, then choose the columns to check for duplicates.

Category	Individual_category	category_by_Gender	Description	ActualPrice(inRs)	Column1	OriginalPrice (in Rs)	Discount
Bottom Wear	jeans	Men	roadster men r	824.45	824.45	1499 45% OFF	
Bottom Wear	track-pants	Men	locomotive me	517.05	517.05	1149 55% OFF	
Topwear	shirts	Men	roadster men r	629.55	629.55	1399 55% OFF	
Lingerie & Sl	shapewear	Women	zivame women	893.55	893.55	1295 31% OFF	
Western	tshirts	Women	roadster women pack of 2 printed cott	389.35	389.35	599 35% OFF	
Western	tops	Women	anouk women	359.4	359.4	599 40% OFF	
Bottom Wear	trousers	Men	highlander mer	599.6	599.6	1499 60% OFF	
Western	tops	Women	mayra roadster	585.9	585.9	1395 58% OFF	
Topwear	tshirts	Men	hereno roadster	1098	1098		
Indian Wear	kurta-sets	Women	hxr by hritik rc	2749	2749		
Western	tights	Men	roadster men navy blue white striped p	1214.55	1214.55	2699 55% OFF	
Western	tshirts	Men	anubhutee wo	1019.7	1019.7	3399 70% OFF	
Topwear	kurta-sets	Women	athena women	1249.5	1249.5	2499 50% OFF	
Indian Wear	jumpsuit	Women	roadster wome	319.6	319.6	799 60% OFF	
Western	tshirts	Men	highlander mer	516.53	516.53	1099 53% OFF	
Topwear	shirts	Women	vishudh wome	696.59	696.59	1699 59% OFF	
Indian Wear	kurtas	Women	sangria women green off white printed	3999	3999		
Lingerie & Sl	trousers	Women	tokyo talkies w	838.11	838.11	2149 61% OFF	
Western	tshirts	Women	dressberry wor	249.75	249.75	999 75% OFF	
Western	tshirts	Women	roadster women pack of 2 printed cott	1298	1298		
Indian Wear	kurtas	Women	anouk women	719.55	719.55	1599 55% OFF	
Lingerie & Sl	bra	Women	enamor black non wired removable pad	849	849		
Western	shirts	Women	all about you w	749.5	749.5	1499 50% OFF	
Western	tops	Women	highlander mer	1200 62% OFF	1200 62% OFF		



# Standardize the "DiscountOffer" column.

Used the Text to Columns option to separate values, then removed "Rs." using the Replace feature, and finally converted all values into a simple amount using IF and ISNUMBER functions.



O	P	Q	R	S	T	U	V
Column	Column	discour	Column	Column	Column	Column	Column
45% OFF		=IF(ISNUMBER([@Column2]),[@Column2],IF(ISBLANK([@Column2])," ",[@Column12]*[@[OriginalPrice (in Rs)]]))					
55% OFF			769.45				
55% OFF			401.45				
31% OFF			209.65				
35% OFF			239.6				
40% OFF			899.4				
60% OFF			809.1				
58% OFF							
55% OFF			1484.45				
70% OFF			2379.3				
50% OFF			1249.5				
60% OFF			479.4				
53% OFF			582.47				



Fill null "DiscountPrice" with the category's average where both "DiscountPrice" and "DiscountOffer" are null.

Size	Ratings	Reviews	Column	Column	discount	Final Discount
28, 30, 32, 34	3.9	999	45% OFF	674.55	=IF(ISBLANK([@[discount price]]),AVERAGEIFS([discount price],[Category],[@Category],[@[discount price]]))	
S, M, L, XL	4	999	55% OFF	631.95		
38, 40, 42, 44	4.3	999	55% OFF	769.45	769.45	
S, M, L, XL, XX	4.2	999	31% OFF	401.45	401.45	
XS, S, M, L, XL	4.2	999	35% OFF	209.65	209.65	
XS, S, M, L, XL	4.4	999	40% OFF	239.6	239.60	
30, 32, 34, 36	3.9	998	60% OFF	899.4	899.40	
S, M, L, XL	3.7	998	58% OFF	809.1	809.10	
XS, S, M, L, XL	4.3	997			829.22	
28, 30, 32, 34	3.5	996			1029.45	
S, M, L, XL, XX	4.4	996	55% OFF	1484.45	1484.45	
XS, S, M, L, XL	4.1	996			800.66	
S, M, L, XL, XX	4.2	996	70% OFF	2379.3	2379.30	
XS, S, M, L, XL	4.3	996	50% OFF	1249.5	1249.50	
XS, S, M, L, XL	4	996	60% OFF	479.4	479.40	
39, 40, 42, 44	4.2	995	53% OFF	582.47	582.47	
S, M, L, XL, XX	4.2	995	59% OFF	1002.41	1002.41	
XS, S, M, L, XL	4.3	995			1141.37	
28, 30, 32, 34	4.1	995	61% OFF	1310.89	1310.89	
XS, S, M, L, XL	4.3	995	75% OFF	749.25	749.25	
XS, S, M, L, XL	4.4	994			829.22	

Used a combination of IF, ISBLANK, and AVERAGEIFS functions to calculate and input the category's avg discount price & avg selling price.

DiscountOffer	Size	Ratings	Reviews	Column	Column	discount	Final Discount	Column	Column	Column
	28, 30, 32, 34,	3.9	999	45% OFF	674.55	674.55	=IF(ISBLANK([@[ActualPrice(inRs)]]),AVERAGEIFS([ActualPrice(inRs)],[Category],[@Category],[@[ActualPrice(inRs)]]))			
	S, M, L, XL	4	999	55% OFF	631.95	631.95				
	38, 40, 42, 44,	4.3	999	55% OFF	769.45	769.45				
	S, M, L, XL, XXL	4.2	999	31% OFF	401.45	401.45				
	XS, S, M, L, XL	4.2	999	35% OFF	209.65	209.65				
	XS, S, M, L, XL	4.4	999	40% OFF	239.6	239.60				
	30, 32, 34, 36	3.9	998	60% OFF	899.4	899.40				
	S, M, L, XL	3.7	998	58% OFF	809.1	809.10				
	XS, S, M, L, XL	4.3	997			829.22	739.5861			
	28, 30, 32, 34,	3.5	996				1029.45	909.2879		
	S, M, L, XL, XXL	4.4	996	55% OFF	1484.45	1484.45				
	XS, S, M, L, XL,	4.1	996				800.66	699.0322		
	S, M, L, XL, XXL	4.2	996	70% OFF	2379.3	2379.30				
	XS, S, M, L, XL	4.3	996	50% OFF	1249.5	1249.50				
	XS, S, M, L, XL	4	996	60% OFF	479.4	479.40				
	39, 40, 42, 44	4.2	995	53% OFF	582.47	582.47				
	S, M, L, XL, XX	4.2	995	59% OFF	1002.41	1002.41				
	XS, S, M, L, XL	4.3	995			1141.37				
	28, 30, 32, 34	4.1	995	61% OFF	1310.89	1310.89				
	XS, S, M, L, XL	4.3	995	75% OFF	749.25	749.25				
	XS, S, M, L, XL	4.4	994			829.22	739.5861			



# Replace null values in "SizeOption" with "Not Available."

Used the Filter option to locate blanks, but no null values were found.

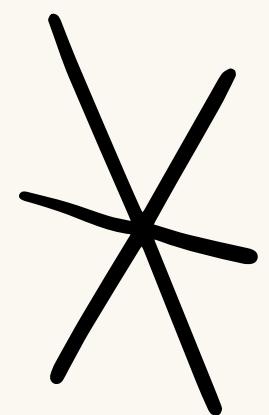
SizeOption	ActualPrice(inRs)	Column1	OriginalPrice (in Rs)	DiscountOffer	Size	Ratings	Reviews	Column1	Column1	discour	Final Discount
er men r	824.45		824.45			3.9	999	45% OFF	674.55	674.55	
otive me	517.05		517.05			4	999	55% OFF	631.95	631.95	
er men r	629.55		629.55			4.3	999	55% OFF	769.45	769.45	
women	893.55		893.55			4.2	999	31% OFF	401.45	401.45	
er wome	389.35		389.35			4.2	999	35% OFF	209.65	209.65	
arbour	359.4		359.4			4.4	999	40% OFF	239.6	239.60	
der mer	599.6		599.6			3.9	998	60% OFF	899.4	899.40	
pink em	585.9		585.9			3.7	998	58% OFF	809.1	809.10	
er women pack of 2 solid t shirts						4.3	997			829.22	
w men blue slim fit mid rise clear						3.5	996			1029.45	
hritik rc	1214.55		1214.55			4.4	996	55% OFF	1484.45	1484.45	
er men navy blue white striped p						4.1	996			800.66	
tee woi	1019.7		1019.7			4.2	996	70% OFF	2379.3	2379.30	
women	1249.5		1249.5			4.3	996	50% OFF	1249.5	1249.50	
er wome	319.6		319.6			4	996	60% OFF	479.4	479.40	
der mer	516.53		516.53			4.2	995	53% OFF	582.47	582.47	
n womei	696.59		696.59			4.2	995	59% OFF	1002.41	1002.41	
women green off white printed						4.3	995			1141.37	
alkies w	838.11		838.11			4.1	995	61% OFF	1310.89	1310.89	
erry wor	249.75		249.75			4.3	995	75% OFF	749.25	749.25	
er women pack of 2 printed cottc						4.4	994			829.22	
women	719.55		719.55			3.8	993	55% OFF	879.45	879.45	
r black non wired removable pad						4.2	993			536.02	
ut you w	749.5		749.5			4.2	993	50% OFF	749.5	749.50	
labbles	492.62		492.62			4.2	993	62% OFF	895.39	895.39	



STEP: 2

# Data Analysis

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Amanjot Singh

# Data Analysis

Average Orginal Price for Products with Rating > 4

```
=AVERAGEIFS(Table2[OriginalPrice (in Rs)],Table2[Ratings],">4")
```

Count the Number of Products With Discount more than 50%

```
=COUNTIF(Table2[Final Price],">50%")
```

Count the number of products available in "M" size

```
=COUNTIF(Table2[Size], "*M*")
```

Used the AVERAGE function along with the COUNTIF function, as shown in the picture.

1. Calculate the average original price for products with ratings > 4.
2. Count products with discounts > 50% OFF.
3. Count products available in size "M."



Average Orginal Price for Products with Rating > 4

1654.16

Count the Number of Products With Discount more than 50%

10042

Count the number of products available in "M" size

6613



**Label products as "High Discount" if the discount > 50%, otherwise "Low Discount."**

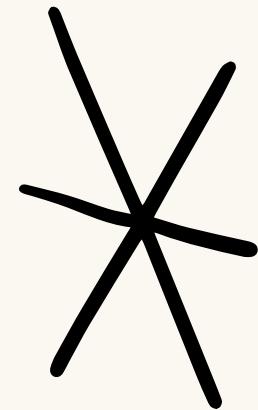
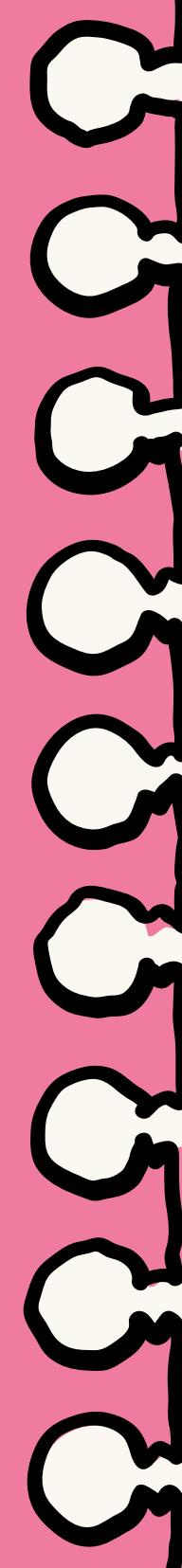
**Created a new column and used the IF function to label products**

K	L	M	N	O	P	Q	R	S	T	U
DiscountOffer	Size	Ratings	Reviews	Column	Column	discour	Final Discount	Column	Column	Column7
45% OFF	28, 30, 32, 34,	3.9	999	45% OFF	674.55	674.55	824.45	45%	=IF([@Column6]>50%,"High	
55% OFF	S, M, L, XL	4	999	55% OFF	631.95	631.95	517.05	55%	Discount","Low Discount")	
55% OFF	38, 40, 42, 44,	4.3	999	55% OFF	769.45	769.45	629.55	55%	High Discount	
31% OFF	S, M, L, XL, XXL	4.2	999	31% OFF	401.45	401.45	893.55	31%	Low Discount	
35% OFF	XS, S, M, L, XL	4.2	999	35% OFF	209.65	209.65	389.35	35%	Low Discount	
40% OFF	XS, S, M, L, XL	4.4	999	40% OFF	239.6	239.60	359.4	40%	Low Discount	
60% OFF	30, 32, 34, 36	3.9	998	60% OFF	899.4	899.40	599.6	60%	High Discount	
58% OFF	S, M, L, XL	3.7	998	58% OFF	809.1	809.10	585.9	58%	High Discount	
	XS, S, M, L, XL	4.3	997		829.22	739.5861		76%	High Discount	
	28, 30, 32, 34,	3.5	996		1029.45	909.2879		37%	Low Discount	
55% OFF	S, M, L, XL, XXL	4.4	996	55% OFF	1484.45	1484.45	1214.55	55%	High Discount	
	XS, S, M, L, XL,	4.1	996		800.66	699.0322		115%	High Discount	
70% OFF	S, M, L, XL, XXL	4.2	996	70% OFF	2379.3	2379.30	1019.7	70%	High Discount	
50% OFF	XS, S, M, L, XL	4.3	996	50% OFF	1249.5	1249.50	1249.5	50%	Low Discount	
60% OFF	XS, S, M, L, XL	4	996	60% OFF	479.4	479.40	319.6	60%	High Discount	
53% OFF	39, 40, 42, 44	4.2	995	53% OFF	582.47	582.47	516.53	53%	High Discount	
59% OFF	S, M, L, XL, XXL	4.2	995	59% OFF	1002.41	1002.41	696.59	59%	High Discount	
	XS, S, M, L, XL,	4.3	995		1141.37	711.1751		29%	Low Discount	
61% OFF	28, 30, 32, 34	4.1	995	61% OFF	1310.89	1310.89	838.11	61%	High Discount	
75% OFF	XS, S, M, L, XL	4.3	995	75% OFF	749.25	749.25	249.75	75%	High Discount	
	XS, S, M, L, XL	4.4	994		829.22	739.5861		64%	High Discount	
55% OFF	XS, S, M, L, XL,	3.8	993	55% OFF	879.45	879.45	719.55	55%	High Discount	
	S, M, L, XL	4.2	993		536.02	627.9708		63%	High Discount	
50% OFF	XS, S, M, L, XL	4.2	993	50% OFF	749.5	749.50	749.5	50%	Low Discount	
62% OFF	XS, S, M, L, XL	4.2	992	62% OFF	995.29	995.29	102.62	62%	High Discount	



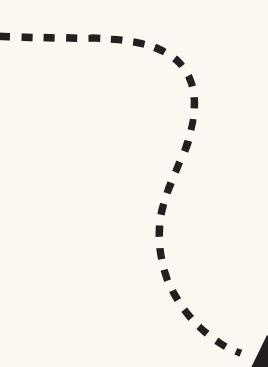
# STEP: 3

# Data Retrieval and Lookup



# Use VLOOKUP/XLOOKUP to find brand, price, and rating for Product\_id "11226634."

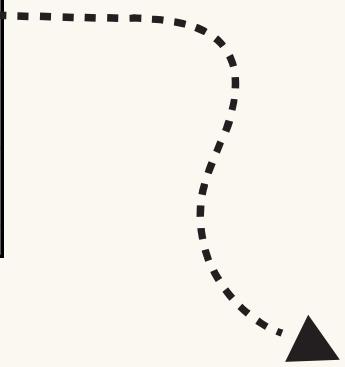
VLOOKUP/ XLOOKUP	11226634
<b>Brand</b>	=VLOOKUP(AA34,B:C,2,0)
<b>Price</b>	=VLOOKUP(AA34,B:S, 18,0)
<b>Rating</b>	=XLOOKUP(AA34,Table2[Product_id],Table2[Ratings],0)



VLOOKUP/ XLOOKUP	11226634
<b>Brand</b>	Maniac
<b>Price</b>	467.61
<b>Rating</b>	3.9

# Use INDEX and MATCH to find "DiscountPrice" for Product\_id "6744434."

INDEX MATCH	6744434
<pre>=INDEX(Table2[Final Price],MATCH(AB51,Table2[Product_id],0))</pre>	



INDEX MATCH	6744434
	599.6

# Use nested XLOOKUP to retrieve any column's details by product ID.

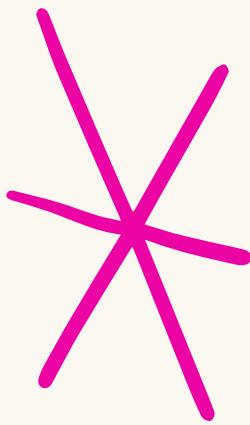
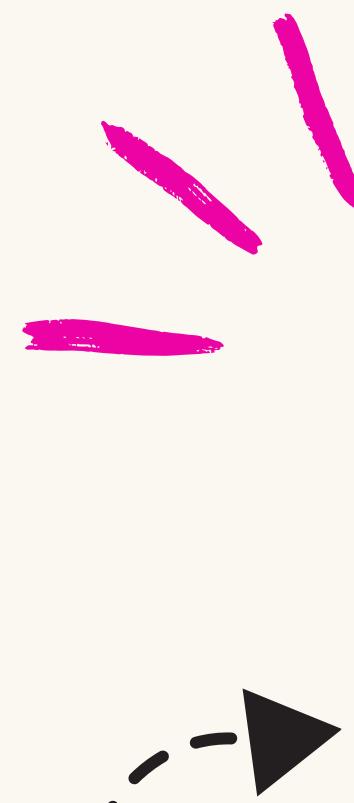
NESTED XLOOKUP	roadster men navy blue slim fit mid rise clean look jeans
	=XLOOKUP(XLOOKUP(AD41,Table2[Description],Table2[Product_id],0),Table2[Product_id],Table2[Column6],0)

Used a nested XLOOKUP to retrieve the discount percentage based on the product description by matching it with the corresponding product ID

NESTED XLOOKUP	roadster men navy blue slim fit mid rise clean look jeans
	45.00%



# THANK YOU!



Amanjot Singh