



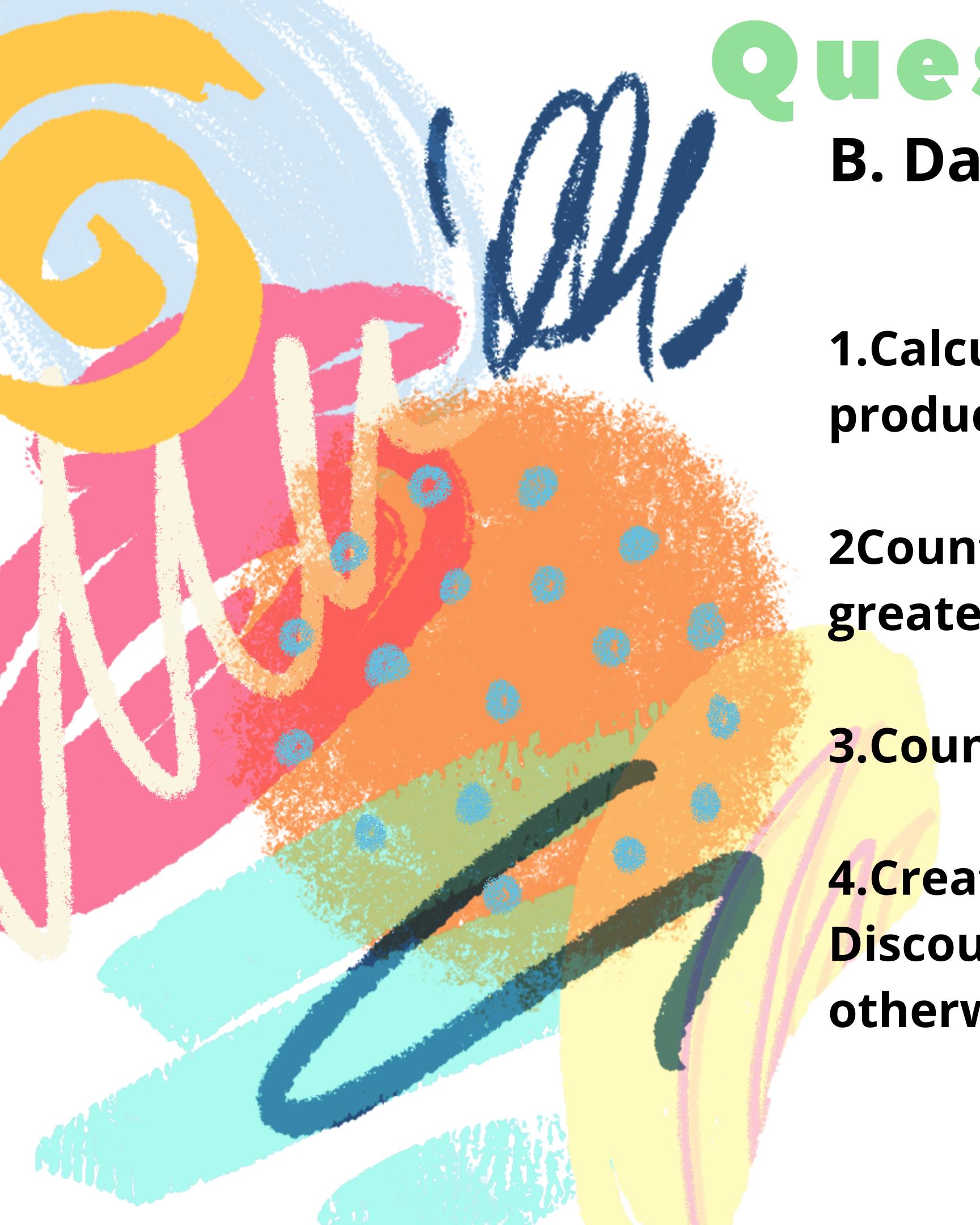
The image features a central white square containing the Myntra Project logo. The logo consists of a stylized 'M' shape composed of three overlapping rounded rectangles in pink, orange, and magenta, with a thin white outline. Below this graphic, the words 'Myntra' and 'PROJECT' are stacked vertically in a bold, black, sans-serif font.



# Questions

## A. Data Cleaning and Preparation

1. Check for duplicate values in your dataset and remove them.
2. Standardize the "DiscountOffer" column to a single format, ensuring all values are uniform.
3. Identify rows where both "DiscountPrice" and "DiscountOffer" are null and fill the "DiscountPrice" with the average discount price of the respective category.
4. Replace all null values in the "SizeOption" column with the text "Not Available."



# Questions

## B. Data Analysis

- 1. Calculate the overall average original price for products with ratings greater than 4.**
- 2 Count the number of products with a discount offer greater than 50% OFF.**
- 3. Count the number of products available in size "M."**
- 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."**



# Questions

## C. Data Retrieval and Lookup

1. Use **VLOOKUP/XLOOKUP** to find the product brand, price, and rating of the product with **Product\_id** "4335679".
2. Find the "DiscountPrice" for the product with the Product ID "4335679" using the INDEX and MATCH functions.



# Data cleaning and Preparation

01

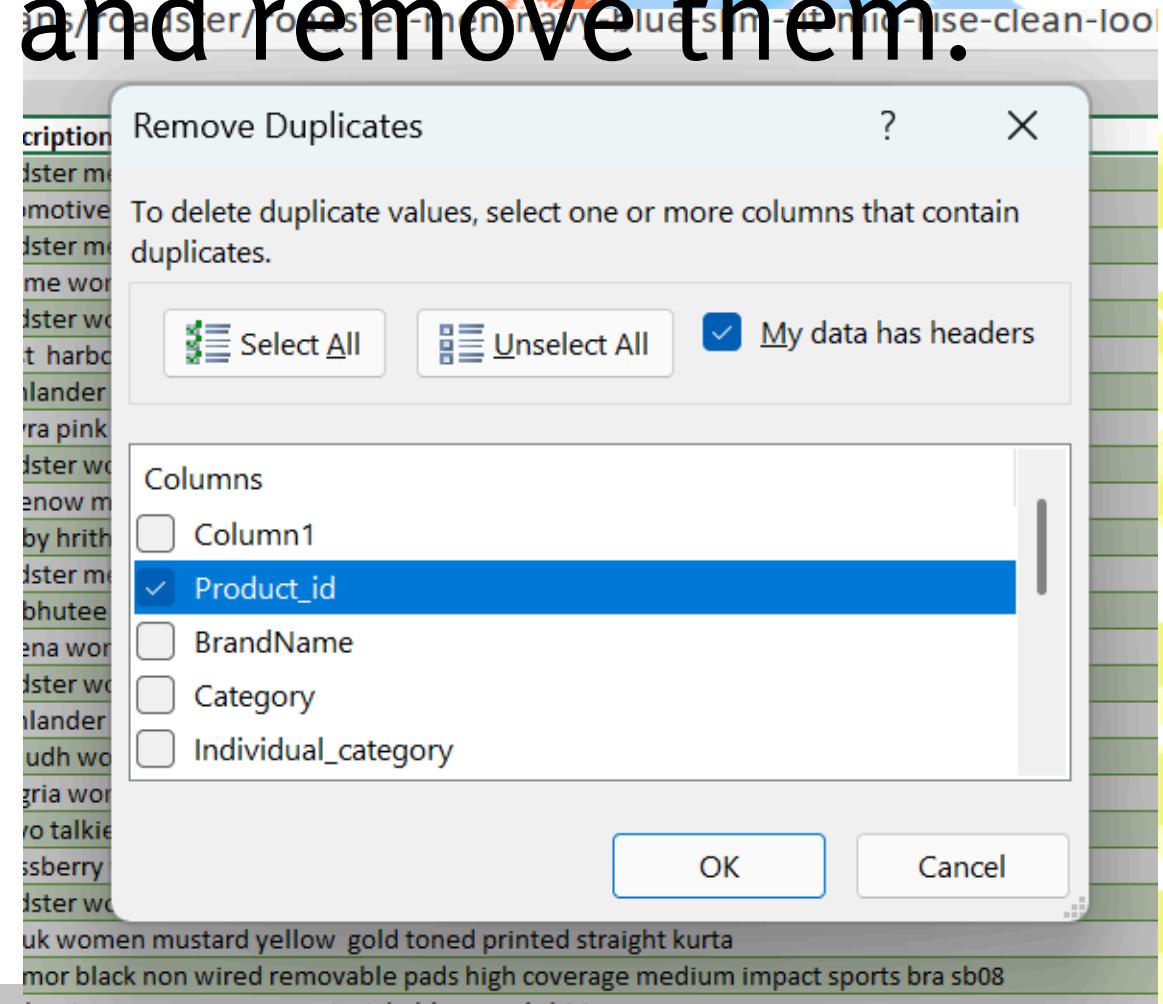
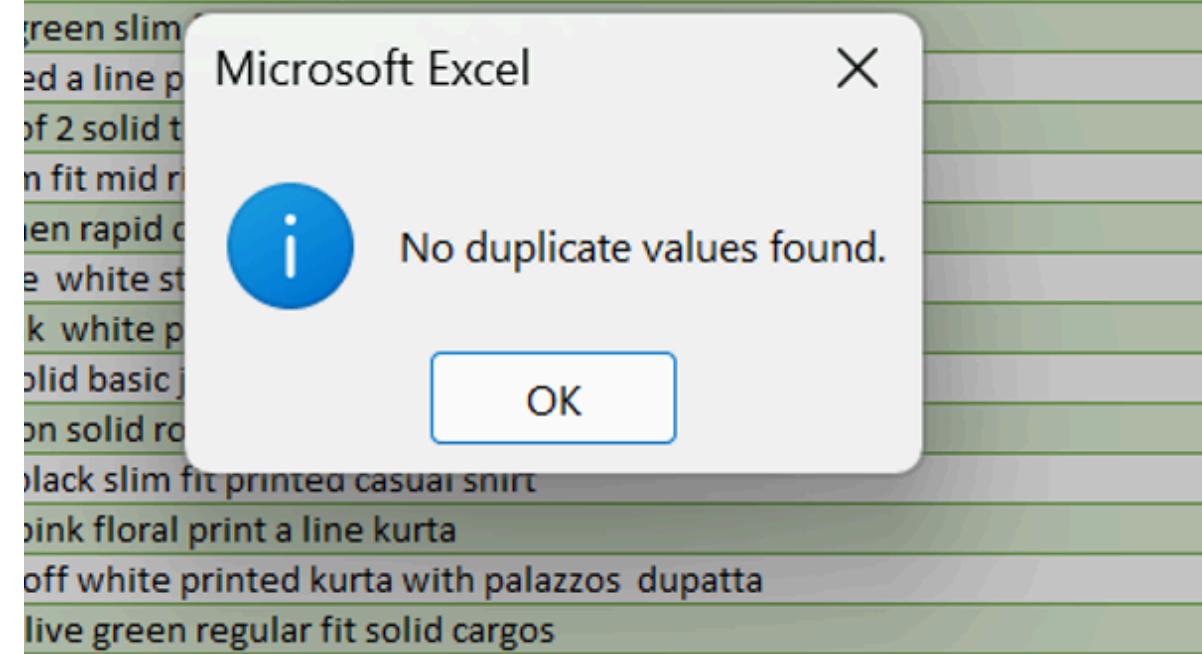
# Check for duplicate values in your dataset and remove them.

File Home Insert Draw Page Layout Formulas Data Review View Developer Help Power Pivot Table Design Tell me what you want to do Share

Font Alignment Number Styles Cells Editing Add-ins

Table1 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)	DiscountOffer	SizeOptions	Ratings	Review
2296012	Roadster	Bottom Wear	Jeans	Men	roadster men navy blue slim fit mid rise clean look jeans	824	1499	45% OFF	28, 30, 32, 34,	3.9	999
13780156	LOCOMOTIVE	Bottom Wear	Track-pants	Men	locomotive men black white solid slim fit track pants	517	1149	55% OFF	S, M, L, XL	4	999
11895958	Roadster	Topwear	Shirts	Men	roadster men navy white black geometric printed sustainable casual shirt	629	1399	55% OFF	38, 40, 42, 44,	4.3	999
4335679	Zivame	Lingerie & Shapewear		Women	zivame women black saree shapewear zi3023coreOnude	893	1295	31% OFF	S, M, L, XL, XX	4.2	999
11690882	Roadster	Western	Tshirts	Women	roadster women white solid v neck pure cotton t shirt		599	35% OFF	XS, S, M, L, XL	4.2	999
2490950	Mast & Harbour	Western	Tops	Women	mast harbour women yellow solid tank top		599	40% OFF	XS, S, M, L, XL	4.4	999
6744434	HIGHLANDER	Bottom Wear	Trousers	Men	highlander men olive green slim fit solid regular trousers	599	1499	60% OFF	30, 32, 34, 36	3.9	998
8439415	Mayra	Western	Tops	Women	mayra pink embroidered a line pure cotton top		1395	58% OFF	S, M, L, XL	3.7	998
17381394	Roadster	Western	Tshirts	Women	roadster women pack of 2 solid t shirts		1098		XS, S, M, L, XL	4.3	997
2359257	HERE&NOW	Bottom Wear	Jeans	Men	herenow men blue slim fit mid rise clean look ankle length stretchable jeans	2749	28, 30, 32, 34,		3.5	996	
7695793	HRX by Hritik	Sports	Weatights	Men	hrx by hritik roshan men rapid dry training tights	1214	2699	55% OFF	S, M, L, XL, XX	4.4	996
10307375	Roadster	Topwear	Tshirts	Men	roadster men navy blue white striped polo collar pure cotton t shirt	699	699		XS, S, M, L, XL	4.1	996
12873874	Anubhutee	Indian Wear	Kurta-sets	Women	anubhutee women pink white printed kurtा with trousers dupatta	1019	3399	70% OFF	S, M, L, XL, XX	4.2	996
11634538	Athena	Western	Jumpsuit	Women	athena women black solid basic jumpsuit		2499	50% OFF	XS, S, M, L, XL	4.3	996
2312181	Roadster	Western	Tshirts	Women	roadster women maroon solid round neck t shirt	799	799	60% OFF	XS, S, M, L, XL	4	996
13842386	HIGHLANDER	Topwear	Shirts	Men	highlander men blue black slim fit printed casual shirt	516	1099	53% OFF	39, 40, 42, 44	4.2	995
10473520	Vishudh	Indian Wear	Kurtas	Women	vishudh women blue pink floral print a line kurtा	696	1699	59% OFF	S, M, L, XL, XX	4.2	995
10561392	Sangria	Plus Size	Kurta-sets	Women	sangria women green off white printed kurtा with palazzos dupatta	3999	3999		XS, S, M, L, XL	4.3	995
12391750	Tokyo Talkies	Western	Trousers	Women	tokyo talkies women olive green regular fit solid cargos	2149	2149	61% OFF	28, 30, 32, 34	4.1	995
2522986	DressBerry	Western	Tshirts	Women	dressberry women lovely olive typography talking tee		999	75% OFF	XS, S, M, L, XL	4.3	995
17385142	Roadster	Western	Tshirts	Women	roadster women pack of 2 printed cotton t shirt		1298		XS, S, M, L, XL	4.4	994
12153330	Anouk	Indian Wear	Kurtas	Women	anouk women mustard yellow gold toned printed straight kurtा	719	1599	55% OFF	XS, S, M, L, XL	3.8	993
1864573	Enamor	Lingerie & Bra		Women	enamor black non wired removable pads high coverage medium impact sports bra sb08	849	849		S, M, L, XL	4.2	993
13205276	all about you	Western	Shirts	Women	all about you women mauve stretchable casual shirt		1499	50% OFF	XS, S, M, L, XL	4.2	993
11535928	KASSUALLY	Western	Tops	Women	kassually blue floral cinched waist top with puff sleeves						
6552977	RARE	Western	Tops	Women	rare women maroon striped top						
9476129	Zastaa	Western	Trousers	Women	zastaa women maroon slim fit peg trousers						
2017530	WISSTLER	Western	Shorts	Women	wisstler women navy pink chevron print regular fit shorts						
11173948	Sangria	Plus Size	Kurtas	Women	sangria women black green printed straight kurtा						
11118428	Roadster	Western	Shorts	Women	roadster women blue solid regular fit denim shorts						
17383362	Roadster	Western	Tshirts	Women	roadster women green teal green pack of 2 printed round neck t shirts						



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

The screenshot shows a Microsoft Excel interface with a data grid containing columns: Offer, SizeOption, Ratings, and Reviews. A 'Find and Replace' dialog box is overlaid on the grid. The 'Find what' field contains 'Rs.' and the 'Replace with' field is empty. Below the dialog are buttons for Replace All, Replace, Find All, Find Next, and Close. The status bar at the bottom displays the formula: `=IF([@OriginalPrice (in Rs)]>0,[@DiscountOffer]*[@OriginalPrice (in Rs)],IF([@DiscountOffer]="","",[@DiscountOffer]))`.

The screenshot shows the 'Find and Replace' dialog box with a message: 'All done. We made 34 replacements.' An 'OK' button is visible. Below the dialog are buttons for Replace All, Replace, Find All, Find Next, and Close. The status bar at the bottom displays the formula: `=IF(ISNUMBER([@DiscountOffer]),[@DiscountOffer]*[@OriginalPrice (in Rs)],IF([@DiscountOffer]="","",[@DiscountOffer]))`.

Total Discount
₹ 674.55
₹ 631.95
₹ 769.45
₹ 401.45
₹ 209.65
₹ 239.60
₹ 899.40
₹ 809.10

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

O	P	Q	R	S	T	U
<b>Avg. discount price of category</b>						

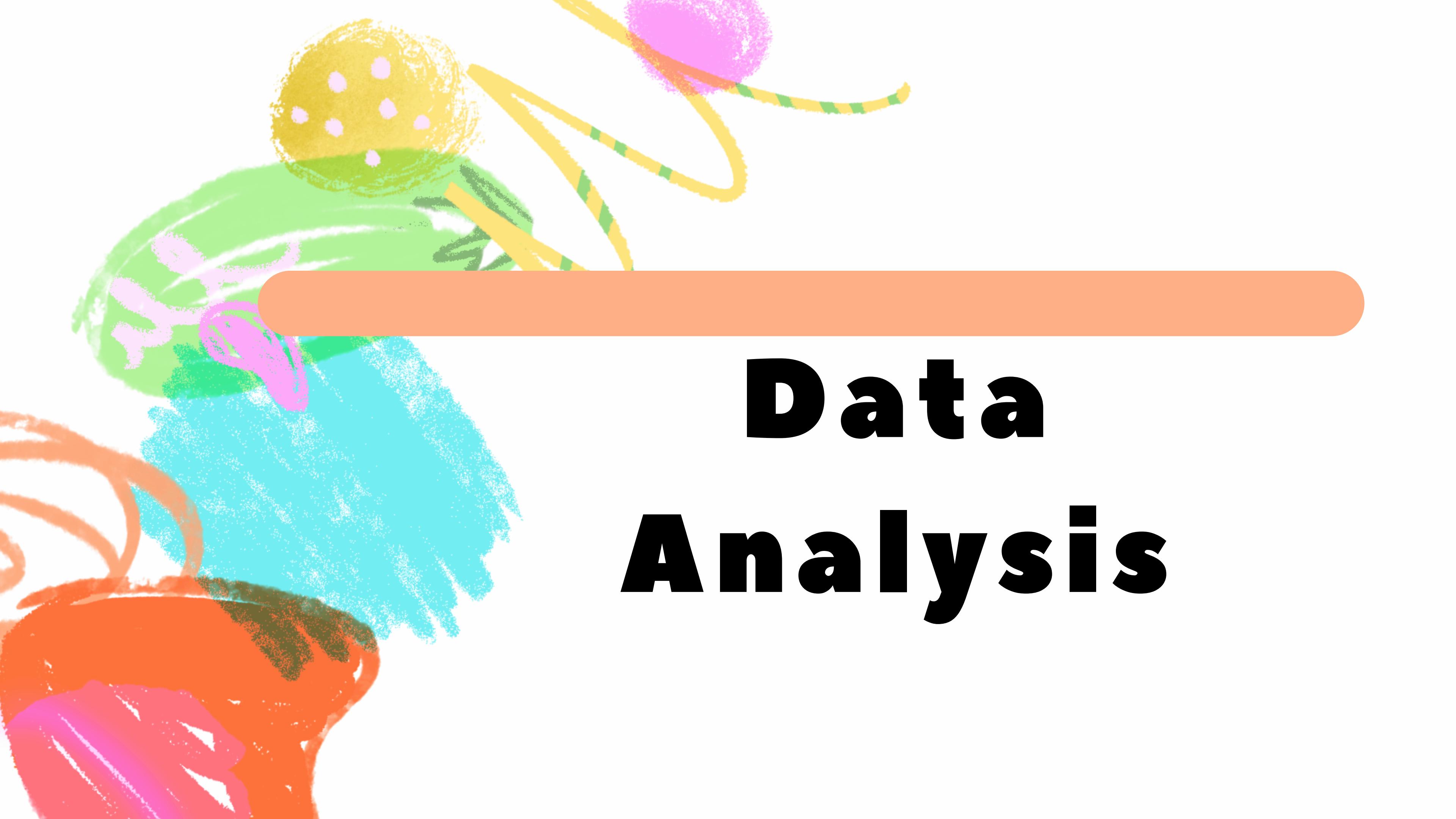
```
=IFERROR(IF(AND([@DiscountPrice (in Rs)]="",[@DiscountOffer=""]),AVERAGEIF(D:D,[@Category],H:H),[@DiscountPrice (in Rs)]),0)
```

O
Avg. discount price of category
₹ 824.00
₹ 517.00
₹ 629.00
₹ 893.00
₹ 0.00
₹ 0.00
₹ 599.00
₹ 0.00
₹ 0.00
₹ 872.77
₹ 1,214.00
₹ 669.64
₹ 1,019.00
₹ 0.00

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

A screenshot of a spreadsheet application showing a context menu for the "SizeOption" column. The menu includes options for sorting (Sort A to Z, Sort Z to A), filtering by color, and clearing filters. A "Text Filters" option is selected, showing a search bar with "null" and a message "No matches". The background shows a grid of data with columns "SizeOption", "Ratings", and "Review".

SizeOption	Ratings	Review
34,	3.9	
	4	
14,	4.3	
XX	4.2	
XL	4.2	
XL	4.4	
36	3.9	
	3.7	
XL	4.3	
34,	3.5	
XX	4.4	
XL	4.1	
XX	4.2	
XL	4.3	
XL	4	
14	4.2	
XX	4.2	



# Data Analysis

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

The screenshot shows a spreadsheet interface with two columns, N and O. Column N contains the label "Column2" and Column O contains the label "Column3". In the formula bar, the formula `=ROUND(AVERAGEIF(L:L, ">4", I:I), 0)` is entered into Column2. A callout box highlights the `ROUND` function, showing its syntax: `ROUND(number, num_digits)`.

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

O	
Column3	
=COUNTIF(J:J, ">50%")	
COUNTIF(range, criteria)	

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

I	J	K	L	M
OriginalPrice (in Rs)	DiscountOffer	SizeOption	Ratings	Reviews
Sort A to Z			4	999
Sort Z to A			4.2	999
Sort by Color			4.2	999
Sheet View			4.4	999
Clear Filter From "SizeOption"			3.7	998
Filter by Color			4.3	997
<input checked="" type="checkbox"/> Text Filters			4.4	996
Search			4.1	996
(Select All)			4.2	996
<input checked="" type="checkbox"/> 25, 28, 31, 34			4.3	996
<input checked="" type="checkbox"/> 26, 28, 30, 32			4	996
<input checked="" type="checkbox"/> 26, 28, 30, 32, 34			4.2	995
<input checked="" type="checkbox"/> 26, 28, 30, 32, 34, 36			4.3	995
<input checked="" type="checkbox"/> 26, 28, 30, 32, 34, 36, 38			4.3	995
<input checked="" type="checkbox"/> 26, 28, 30, 32, 34, 36, 38, 40			4.4	994
<input checked="" type="checkbox"/> 26, 28, 30, 32, 34, 36, 38, 40, 42, 44			3.8	993
			4.2	993
			4.2	993
			4.3	992
			4.2	991

F	G	H	I	J	K	L	M	N	Column3	
category	category_by_Gender	Description	DiscountPrice (in Rs)	OriginalPrice (in Rs)	DiscountOffer	SizeOption	Ratings	Reviews	Column2	Column3
Men		locomotive me	517	1149	55%	S, M, L, XL	4	999		
Women		zivame women	893	1295	31%	S, M, L, XL, XXL	4.2	999		
Women		roadster women white solid v neck pullover	599	1299	35%	XS, S, M, L, XL	4.2	999		
			599	1299	40%	XS, S, M, L, XL	4.4	999		
			599	1299	58%	S, M, L, XL	3.7	998		
			598	1298	XS, S, M, L, XL	4.3	997			
			599	1299	55%	S, M, L, XL, XXL	4.4	996		
			599	1299	50%	XS, S, M, L, XL	4.1	996		
			599	1299	70%	S, M, L, XL, XXL	4.2	996		
			599	1299	50%	XS, S, M, L, XL	4.3	996		
			599	1299	59%	S, M, L, XL, XXL	4.2	995		
			599	1299	XS, S, M, L, XL	4.3	995			
			599	1299	75%	XS, S, M, L, XL	4.3	995		
			599	1298	XS, S, M, L, XL	4.4	994			
Women		roadster women pack of 2 printed cotton	1298	1298	XS, S, M, L, XL	4.4	994			
Women		anouk women	719	1599	55%	XS, S, M, L, XL	3.8	993		
Women		enamor black non wired removable padded	849	1599	S, M, L, XL	4.2	993			
Women		all about you women mauve stretchable	1499	1599	50%	XS, S, M, L, XL	4.2	993		
Women		kassually blue floral cinched waist top	1299	1299	62%	XS, S, M, L, XL	4.3	992		
Women		rare women maroon striped top	1299	1299	57%	S, M, L, XL	4.2	991		

Custom Autofilter  
Show rows where:  
SizeOption  
contains   
 And  Or  
OK Cancel  
Use ? to represent any single character  
Use \* to represent any series of characters

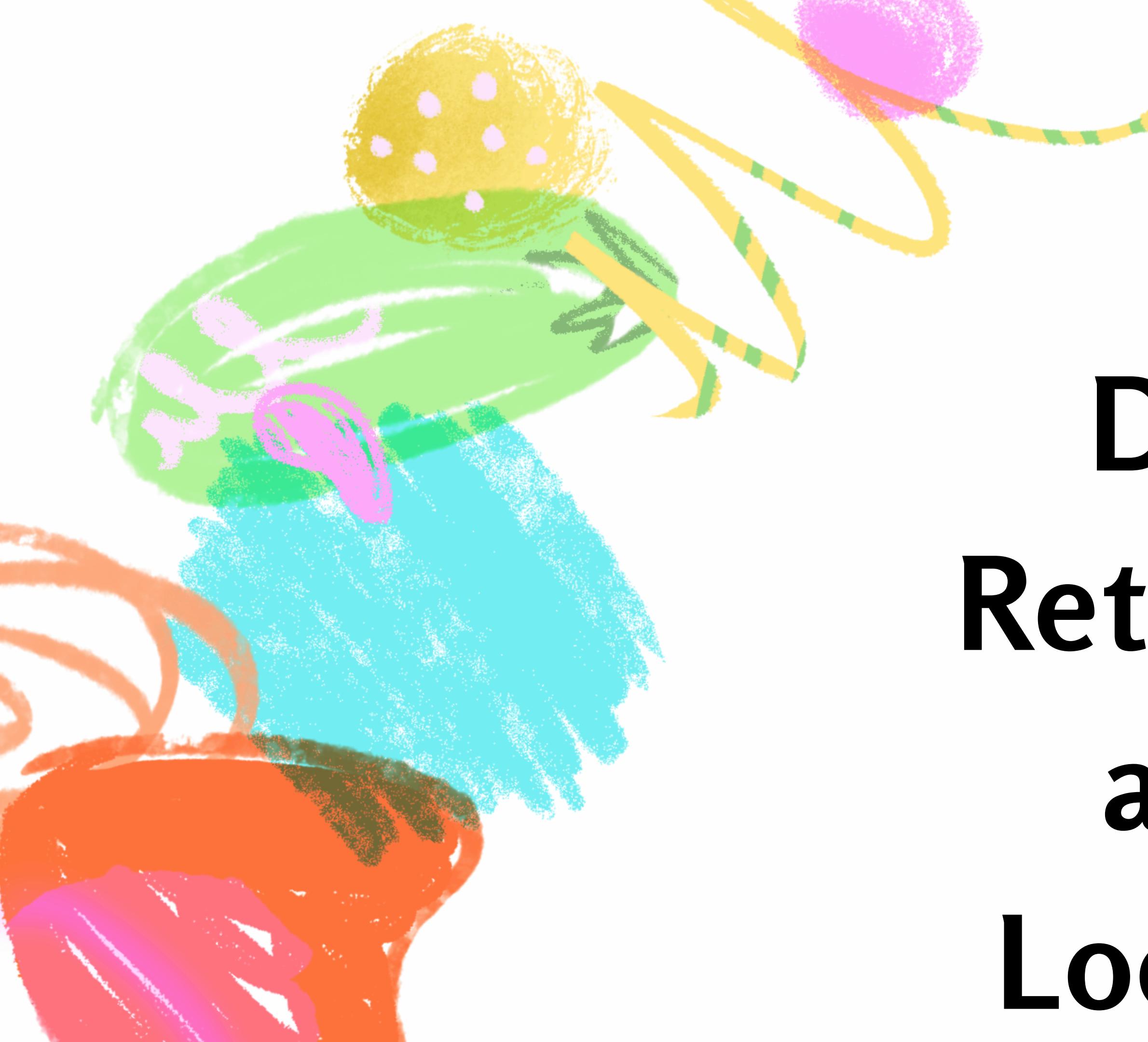
OUTPUT-->

K  
 SizeOption  
 % S, M, L, XL  
 % S, M, L, XL, XXL  
 % XS, S, M, L, XL  
 % XS, S, M, L, XL  
 % S, M, L, XL  
 XS, S, M, L, XL  
 % S, M, L, XL, XXL  
 XS, S, M, L, XL  
 % S, M, L, XL, XXL  
 % XS, S, M, L, XL

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."

O	P	Q
High/Low Discount		
=IF(J:J>50%, "High Discount", "Low Discount")		

O
High/Low Discount
High Discount
Low Discount
Low Discount
Low Discount
High Discount
Low Discount
High Discount
Low Discount
...



# Data Retrieval and Lookup

Use VLOOKUP/XLOOKUP to find the product brand, price, and rating of the product with Product\_id "4335679".

Font	Align
<input checked="" type="checkbox"/> fx	=VLOOKUP(A5,Table1,2,TRUE)
N	C
Brand	Zivame

Font	Align
<input checked="" type="checkbox"/> fx	=VLOOKUP(A5,Table1,7,TRUE)
O	P Q
Price	893

Font	Align
<input checked="" type="checkbox"/> fx	=VLOOKUP(A5,Table1,11,TRUE)
O P Q	
Price	Rating
893	4.2

Find the "DiscountPrice" for the product with the Product ID "4335679" using the INDEX and MATCH functions.

	Alignment	
	=INDEX(G:G,MATCH([@[Product_id]],A:A,0))	
	O	P
Discount Price	517	Q
		R

# **Thank YOU!!!**

**Presented By  
Navneet Narayan**