



Project File

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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

B. Data Analysis

C. Data Retrieval and Lookup



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

URL	Product_id	BrandName	Category	Individual_category	category_by_Gender
https://www.m...	2296012	Roadster	Bottom Wear	jeans	Men
https://www.m...	13780156	LOCOMOTIVE	Bottom Wear	track-pants	Men
https://www.m...	11895958	Roadster	Topwear	shirts	Men
https://www.m...	4335679	Zivame	Lingerie & Shapewear		Women
https://www.m...	11690882	Roadster	Western	tshirts	Women
https://www.m...	2490950	Mast & Harbour	Western	tops	Women
https://www.m...	6744434	HIGHLANDER	Bottom Wear	trousers	Men
https://www.m...	8439415	Mayra	Western	tops	Women
https://www.m...	17381394	Roadster	Western	tshirts	Women
https://www.m...	2359257	HERE&NOW	Bottom Wear	jeans	Men
https://www.m...	7695793	HRX by Hrithik	Sports Wear	tights	Men
https://www.m...	10307375	Roadster	Topwear	tshirts	Men
https://www.m...	12873874	Anubhutee	Indian Wear	kurta-sets	Women
https://www.m...	11634538	Athena	Western	jumpsuit	Women
https://www.m...	2312181	Roadster	Western	tshirts	Women
https://www.m...	13842386	HIGHLANDER	Topwear	shirts	Men
https://www.m...	10473520	Vishudh	Indian Wear	kurtas	Women
https://www.m...	10561392	Sangria	Plus Size	kurta-sets	Women
https://www.m...	12391750	Tokyo Talkies	Western	trousers	Women
https://www.m...	2522986	DressBerry	Western	tshirts	Women
https://www.m...	17385142	Roadster	Western	tshirts	Women
https://www.m...	12153330	Anouk	Indian Wear	kurtas	Women
https://www.m...	1864573	Enamor	Lingerie & Shapewear		Women
https://www.m...	13205276	all about you	Western	shirts	Women
https://www.m...	11535928	KASSUALLY	Western	tops	Women
https://www.m...	6552977	RARE	Western	tops	Women

Objective:

- To identify and remove any duplicate values within the dataset to ensure data integrity.

Result:

- After thoroughly analyzing the dataset for duplicate entries, no duplicates were found.
- The dataset is clean and ready for further analysis without requiring any data modification in this regard.

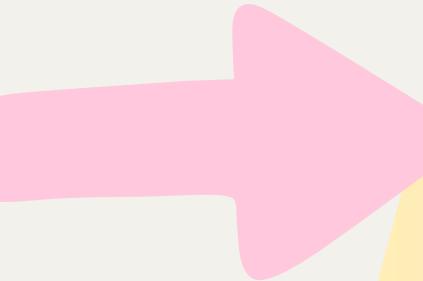
2. Standardize the "DiscountOffer" column to a single format, ensuring all values are uniform.

- Trim extra spaces.
- Replace variations like "Percent" or "percent" with "%".
- Ensure it's converted into a numerical value, divided by 100 to reflect it as a percentage.

```
=TRIM(SUBSTITUTE([@[DiscountOffer]], "Rs.", ""))
=SEARCH("%", U7)
=LEFT(U7, SEARCH("%", U7))
```

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

Discount Offer %	Discount Amount	DiscountedPrice
45	674.55	824
55	631.95	517
55	769.45	629
31	401.45	893
35	209.65	389
40	239.6	359
60	899.4	599
58	809.1	585
48	527.04	570
44	1209.56	1539
55	1484.45	1214
45	314.55	384
70	2379.3	1019
50	1249.5	1249
60	479.4	319
53	582.47	516
59	1002.41	696
58	2319.42	1679
61	1310.89	838
75	749.25	249
48	623.04	674



```
=IF([@Discount %] = "",  
AVERAGEIFS([Discount %],  
[Category], [@Category]), [@Discount  
%]))
```

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

Rs)	SizeOption	Ratings
1499	28, 30, 32, 34, 3	3
1149	S, M, L, XL	
1399	38, 40, 42, 44, 4	4
1295	S, M, L, XL, XXL	4
599	XS, S, M, L, XL	4
599	XS, S, M, L, XL	4
1499	30, 32, 34, 36	3
1395	S, M, L, XL	3
1098	XS, S, M, L, XL	4

No Null Values

Text Filters >

Search

- (Select All)
- 22
- 25
- 26
- 28
- 30
- 31
- 31.5
- 33

Data Analysis

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

```
=AVERAGEIFS(Table3[OriginalPrice (in Rs)],Table3[Ratings],">4")
```

Result : 1966.67

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

```
=COUNTIF(Table3[Discount Offer %], ">=50")
```

Result: 285514



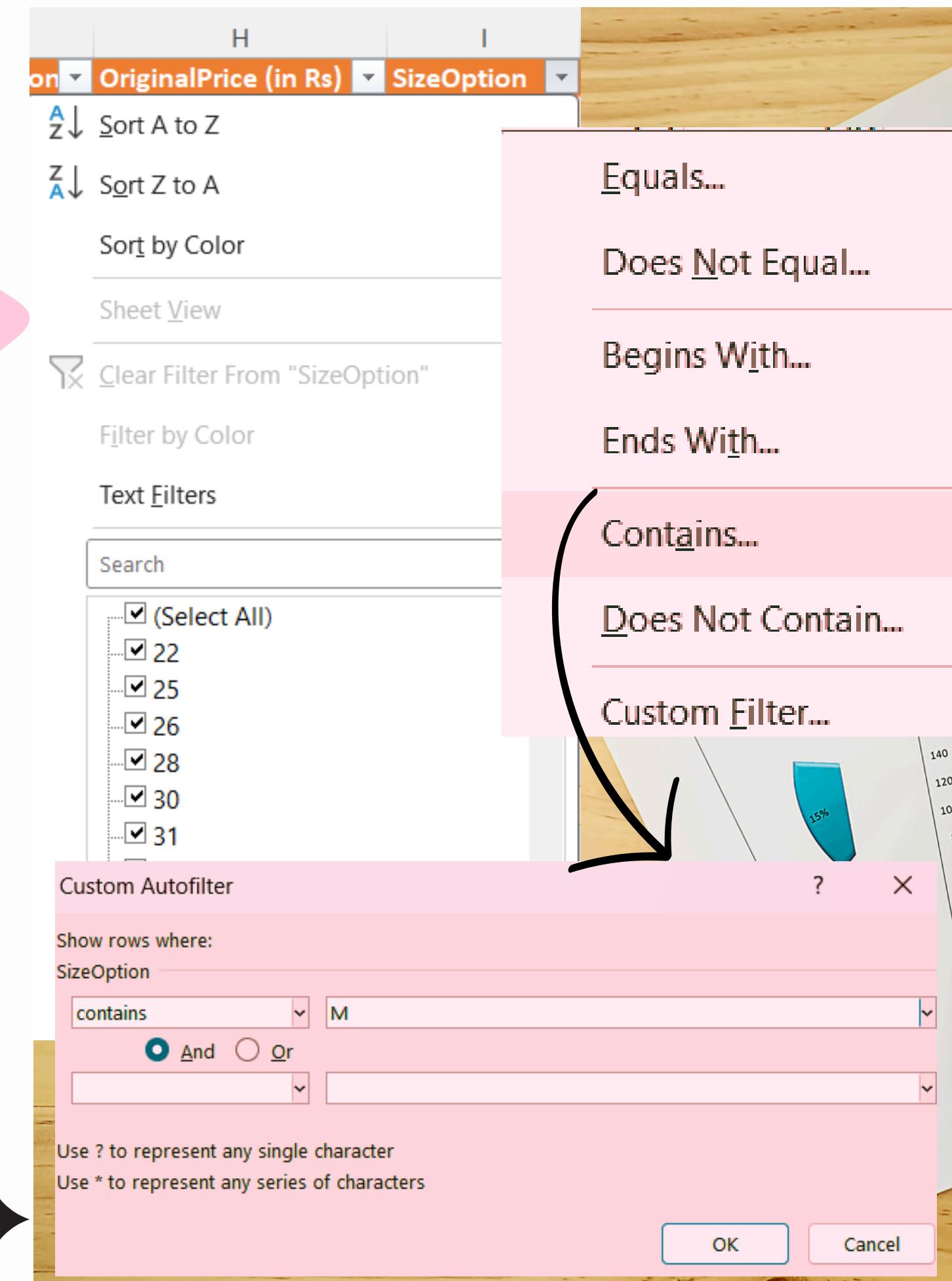
Data Analysis

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

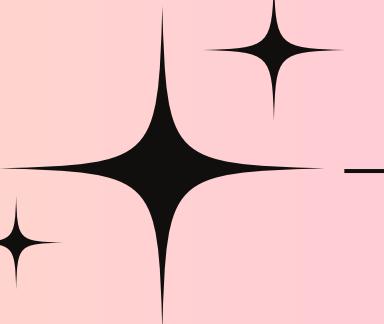
Result : 308460

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(Table3[Discount Offer %]>50,"High Discount","Low Discount")



Data Retrieval and Lookup



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

```
=XLOOKUP(T7,Table3[Product_id],Table3[BrandName])
```

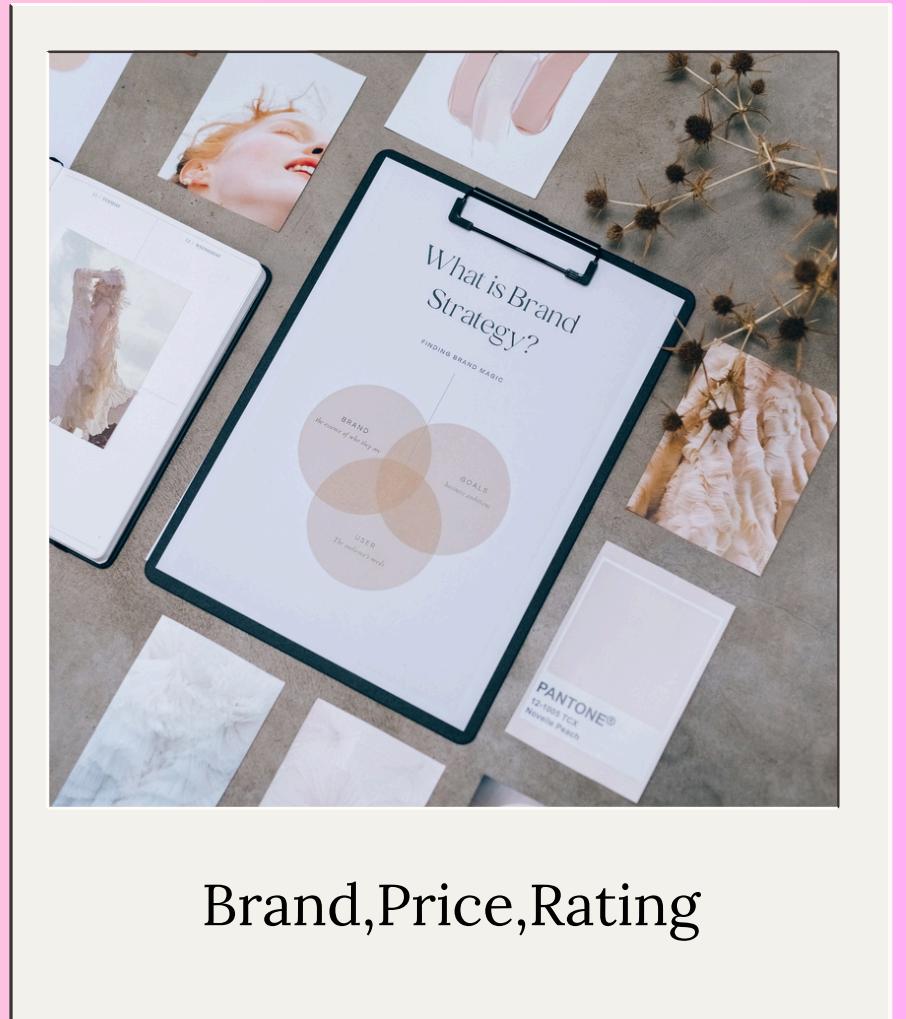
Result: maniac

```
=XLOOKUP(T7,Table3[Product_id],Table3[OriginalPrice (in Rs)])
```

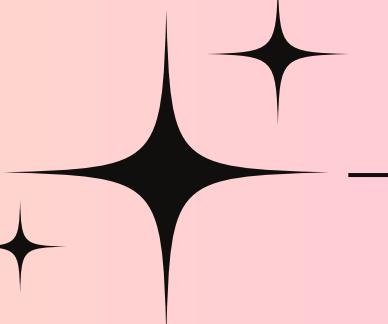
Result: 1199

```
=XLOOKUP(T7,Table3[Product_id],Table3[Ratings])
```

Result: 3.9



Data Retrieval and Lookup



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

```
=INDEX(Table3[DiscountedPrice],MATCH(Table3[Product_id],X9))
```

Result:

	824
	824
	824
	824
	#N/A
	824
	824

Index and Match

Dataset

A	B	C	D	E	F	G	H	I	J	K	L	M	N
URL	Product_id	BrandName	Category	Individual_category	category_by_Gender	Description	OriginalPrice (in Rs)	SizeOption	Ratings	Reviews	Discount Offer %	Discount Amount	DiscountedPrice
https://www.m...	2296012	Roadster	Bottom Wear	jeans	Men	roadster men	1499	28, 30, 32, 34, 3	3.9	999	45	674.55	82
https://www.m...	13780156	LOCOMOTIVE	Bottom Wear	track-pants	Men	locomotive men	1149	S, M, L, XL	4	999	55	631.95	51
https://www.m...	11895958	Roadster	Topwear	shirts	Men	roadster men	1399	38, 40, 42, 44, 4	4.3	999	55	769.45	62
https://www.m...	4335679	Zivame	Lingerie & Sleep	shapewear	Women	zivame women	1295	S, M, L, XL, XXL	4.2	999	31	401.45	89
https://www.m...	11690882	Roadster	Western	tshirts	Women	roadster women	599	XS, S, M, L, XL	4.2	999	35	209.65	38
https://www.m...	2490950	Mast & Harbour	Western	tops	Women	mast harbour	599	XS, S, M, L, XL	4.4	999	40	239.6	35
https://www.m...	6744434	HIGHLANDER	Bottom Wear	trousers	Men	highlander men	1499	30, 32, 34, 36	3.9	998	60	899.4	59
https://www.m...	8439415	Mayra	Western	tops	Women	mayra pink em	1395	S, M, L, XL	3.7	998	58	809.1	58
https://www.m...	17381394	Roadster	Western	tshirts	Women	roadster women	1098	XS, S, M, L, XL	4.3	997	48	527.04	57
https://www.m...	2359257	HERE&NOW	Bottom Wear	jeans	Men	herenow men	2749	28, 30, 32, 34, 3	3.5	996	44	1209.56	153
https://www.m...	7695793	HRX by Hrithik	Sports Wear	tights	Men	hrx by hrithik r	2699	S, M, L, XL, XXL	4.4	996	55	1484.45	121
https://www.m...	10307375	Roadster	Topwear	tshirts	Men	roadster men	699	XS, S, M, L, XL, X	4.1	996	45	314.55	38
https://www.m...	12873874	Anubhutee	Indian Wear	kurta-sets	Women	anubhutee wo	3399	S, M, L, XL, XXL	4.2	996	70	2379.3	101
https://www.m...	11634538	Athena	Western	jumpsuit	Women	athena women	2499	XS, S, M, L, XL	4.3	996	50	1249.5	124
https://www.m...	2312181	Roadster	Western	tshirts	Women	roadster women	799	XS, S, M, L, XL	4	996	60	479.4	31
https://www.m...	13842386	HIGHLANDER	Topwear	shirts	Men	highlander men	1099	39, 40, 42, 44	4.2	995	53	582.47	51
https://www.m...	10473520	Vishudh	Indian Wear	kurtas	Women	vishudh women	1699	S, M, L, XL, XXL	4.2	995	59	1002.41	69
https://www.m...	10561392	Sangria	Plus Size	kurta-sets	Women	sangria women	3999	XS, S, M, L, XL, X	4.3	995	58	2319.42	167
https://www.m...	12391750	Tokyo Talkies	Western	trousers	Women	tokyo talkies v	2149	28, 30, 32, 34	4.1	995	61	1310.89	83
https://www.m...	2522986	DressBerry	Western	tshirts	Women	dressberry wo	999	XS, S, M, L, XL	4.3	995	75	749.25	24
https://www.m...	17385142	Roadster	Western	tshirts	Women	roadster women	1298	XS, S, M, L, XL	4.4	994	48	623.04	67
https://www.m...	12153330	Anouk	Indian Wear	kurtas	Women	anouk women	1599	XS, S, M, L, XL, X	3.8	993	55	879.45	71
https://www.m...	1864573	Enamor	Lingerie & Sleep	bra	Women	enamor black	849	S, M, L, XL	4.2	993	43	365.07	48
https://www.m...	13205276	all about you	Western	shirts	Women	all about you v	1499	XS, S, M, L, XL	4.2	993	50	749.5	74
https://www.m...	11535928	KASSUALLY	Western	tops	Women	kassually blue	1299	XS, S, M, L, XL, X	4.3	992	62	805.38	49
https://www.m...	6552977	RARE	Western	tops	Women	rare women m	1299	S, M, L, XL	4.2	991	57	740.43	55

Row: 52655



Thank You

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