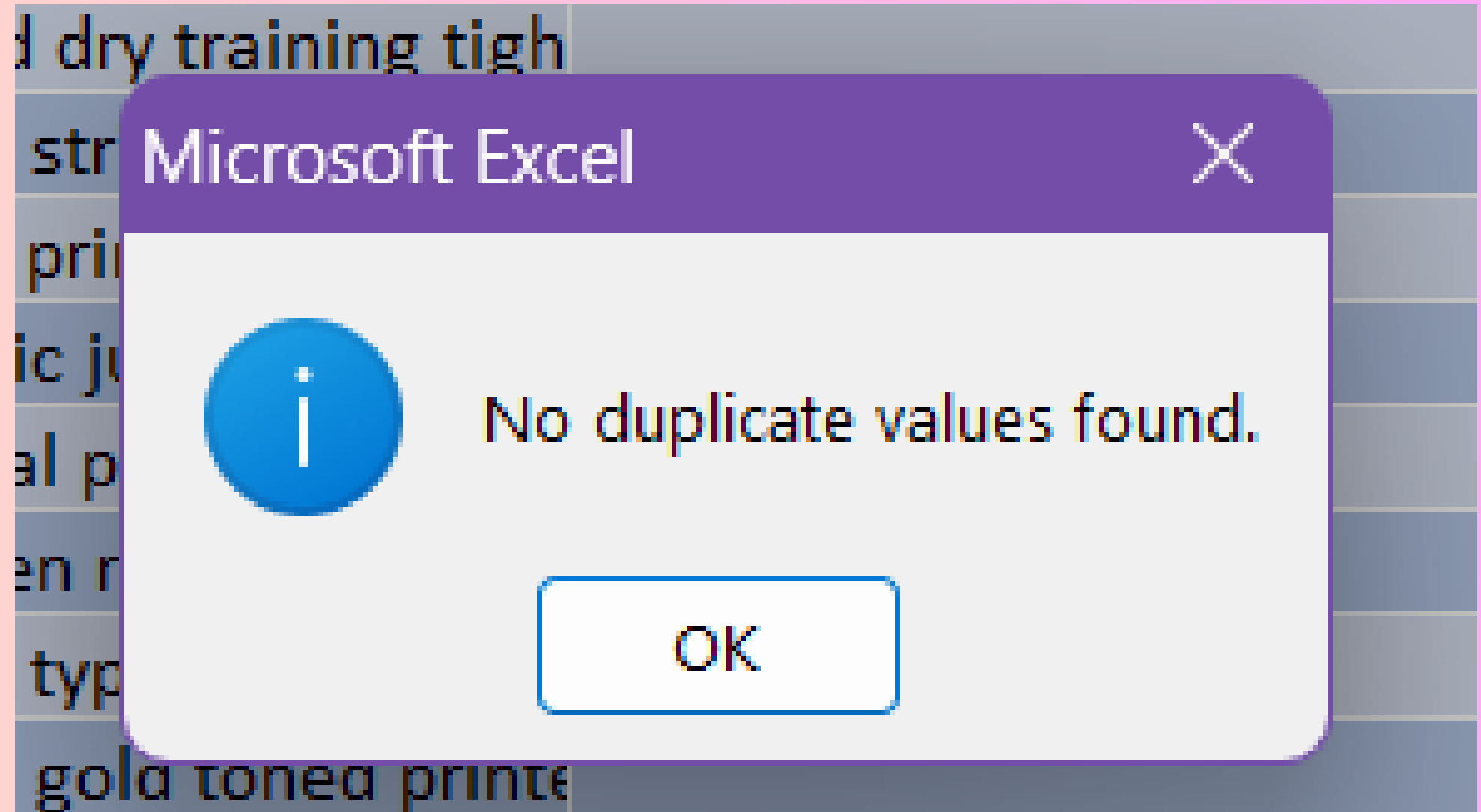# Project PRESENTATION

Presented by Thomas Sangala

Project Questions

QA. 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.

Column

=if(ISNUMBER(SEARCH("%",[@Column1])),(left([@Column1],SEARCH("%",[@Column1])-1)/100)*[@[OriginalPrice (in Rs)]],[@Column1])

	Discou	Dis
F	631.95	
F	769.45	
F	401.45	
F	209.65	
F	239.6	
F	899.4	
F	809.1	
F	1484.45	
F	2379.3	

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

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

P	Q	D
Discou	Averag	
55	55	
55	55	
31	31	
35	35	
40	40	
60	60	
58	58	
	53.02652	
	53.62595	
55	55	
	52.91506	

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

Not found any null values in "SizeOption" maybe it is because I have used only 1lac entry's to analyze bcoz my laptop was processing to slow so I have to delete some entry's

B. Data Analysis

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

Column						
=AVERAGEIFS([OriginalPrice (in Rs)],[Ratings],">4")						
AVERAGEIFS(average_range, criteria_range1, criteria1, [criteria_range2, criteria2], ...)						
1890.631						
1890.631						

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

=COUNTIF(Table1[Average Discount],">50")

COUNTIF(range, criteria)

50531

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

Custom AutoFilter

Show rows where:

SizeOption

contains ⌄ M

● And ○ Or

COUNT: 56976

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

IF(**logical_test**, [value_if_true], [value_if_false])

Low Discount

Low Discount

High Discount

C. Data Retrieval and Lookup

1. Use VLOOKUP/XLOOKUP to find the product brand, price, and rating of the product with Product_id "4335679".

		4335679	
	Brand	=VLOOKUP(Y18,B1:L8,3,)	

VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

	Price	1295	
	Rating	4.2	

2. Find the "DiscountPrice" for the product with the Product ID "8986005" using the INDEX and MATCH functions.

`=INDEX(Table1[DiscountPrice (in Rs)],MATCH(Y38,Table1[Product_id],))`

		8986005	
INDEX			
	0		
MATCH			
	49		

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

IF(**logical_test**, [value_if_true], [value_if_false])

Low Discount

Low Discount

High Discount

THANK YOU