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Dataset Overview

- **Total Rows (Records):** 48,620
- **Total Columns (Features):** 12
- **File Type:** CSV
- **Memory Usage:** ~4.5 MB
- **Time Period Covered:** Year 2015 (based on order_date column)

The dataset contains transactional sales data from a pizza store, including order details, pizza types, prices, and ingredients.

⚠ Issues Identified in Raw Data (Before Cleaning)

Although the dataset has **no missing values**, several data quality issues are present:

Incorrect Data Types

- pizza_id, order_id, and quantity are stored as **float** instead of integer.
- order_date and order_time are stored as **object (string)** instead of proper datetime format.

Date Format Inconsistency

- Some dates appear as 1/1/2015
- Some appear as 26-11-2015
This indicates inconsistent formatting and requires standardization.

Derived Column Validation Needed

- total_price should equal unit_price × quantity
- Needs verification during cleaning.

Ingredient Column Structure

- pizza_ingredients contains multiple ingredients in a single text field.

- May require splitting for ingredient-level analysis.

Duplicate Check Required

- Since multiple pizzas can belong to the same order_id, duplicates need to be checked carefully (true duplicates vs valid repeated orders).

Overall Raw Data Summary

The Pizza Sales dataset contains 48,620 transaction-level records from a pizza store in 2015. It includes detailed order-level and product-level information such as pizza category, size, ingredients, pricing, and timestamps.

Although the dataset does not contain missing values, several structural and formatting inconsistencies exist, particularly in data types and date formats. These issues must be addressed during the data cleaning process to ensure accurate analysis and reporting.

Sample Image of Raw Data Sheet

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	pizza_id	order_id	pizza_name	quantity	order_date	order_time	unit_price	total_price	pizza_size	pizza_cate	pizza_ingr	pizza_name						
2	1	1	hawaiian	1	#####	11:38:36	13.25	13.25	M	Classic	Sliced Ham The Hawaiian Pizza							
3	2	2	classic dbl	1	#####	11:57:40	16	16	M	Classic	Pepperoni,The Classic Deluxe Pizza							
4	3	2	five_chees	1	#####	11:57:40	18.5	18.5	L	Veggie	Mozzarella,The Five Cheese Pizza							
5	4	2	ital_supr_l	1	#####	11:57:40	20.75	20.75	L	Supreme	Calabrese,The Italian Supreme Pizza							
6	5	2	mexicana	1	#####	11:57:40	16	16	M	Veggie	Tomatoes,The Mexicana Pizza							
7	6	2	thai_ckn_l	1	#####	11:57:40	20.75	20.75	L	Chicken	Chicken, F,The Thai Chicken Pizza							
8	7	3	ital_supr_r	1	#####	12:12:28	16.5	16.5	M	Supreme	Calabrese,The Italian Supreme Pizza							
9	8	3	prsc_arql	1	#####	12:12:28	20.75	20.75	L	Supreme	Prosciutto,The Prosciutto and Arugula Pizza							
10	9	4	ital_supr_r	1	#####	12:16:31	16.5	16.5	M	Supreme	Calabrese,The Italian Supreme Pizza							
11	10	5	ital_supr_r	1	#####	12:21:30	16.5	16.5	M	Supreme	Calabrese,The Italian Supreme Pizza							
12	11	6	bbq_ckn_s	1	#####	12:29:36	12.75	12.75	S	Chicken	Barbecued The Barbecue Chicken Pizza							
13	12	6	the_greek	1	#####	12:29:36	12	12	S	Classic	Kalamata (The Greek Pizza							
14	13	7	spinach_si	1	#####	12:50:37	12.5	12.5	S	Supreme	Spinach, R,The Spinach Supreme Pizza							
15	14	8	spinach_si	1	#####	12:51:37	12.5	12.5	S	Supreme	Spinach, R,The Spinach Supreme Pizza							
16	15	9	classic dbl	1	#####	12:52:01	12	12	S	Classic	Pepperoni,The Classic Deluxe Pizza							
17	16	9	green_gar	1	#####	12:52:01	12	12	S	Veggie	Spinach, M,The Green Garden Pizza							
18	17	9	ital_capollo	1	#####	12:52:01	20.5	20.5	L	Classic	Capocollo,The Italian Capocollo Pizza							
19	18	9	ital_supr_l	1	#####	12:52:01	20.75	20.75	L	Supreme	Calabrese,The Italian Supreme Pizza							
20	19	9	ital_supr_s	1	#####	12:52:01	12.5	12.5	S	Supreme	Calabrese,The Italian Supreme Pizza							
21	20	9	mexicana	1	#####	12:52:01	12	12	S	Veggie	Tomatoes,The Mexicana Pizza							
22	21	9	spicy_ital	1	#####	12:52:01	20.75	20.75	L	Supreme	Capocollo,A The Spicy Italian Pizza							
23	22	9	spin pesto	1	#####	12:52:01	20.75	20.75	L	Veggie	Spinach, A,The Spinach Pesto Pizza							

