

# Overview

Brought to you by YData ([https://ydata.ai/?utm\\_source=opensource&utm\\_medium=ydataprofiling&utm\\_campaign=report](https://ydata.ai/?utm_source=opensource&utm_medium=ydataprofiling&utm_campaign=report))

## Dataset statistics

Number of variables	6
Number of observations	454336
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	63.8 MiB
Average record size in memory	147.2 B

## Variable types

Numeric	2
DateTime	2
Categorical	2

Alerts

status has constant value "Delivered"	Constant
order_id is highly overall correlated with year	High correlation
year is highly overall correlated with order_id	High correlation
order_id is uniformly distributed	Uniform
order_id has unique values	Unique
time_stamp has unique values	Unique
delivery_duration has unique values	Unique

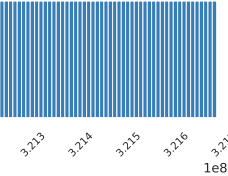
Reproduction

Analysis started	2024-09-29 10:36:20.989896
Analysis finished	2024-09-29 10:36:30.227551
Duration	9.24 seconds
Software version	ydata-profiling vv4.10.0 ( <a href="https://github.com/ydataai/ydata-profiling">https://github.com/ydataai/ydata-profiling</a> )
Download configuration	config.json (data:text/plain;charset=utf-8,%7B%22title%22%3A%20%22Pizza%20Delivery%20Data%20Profiling%20Report%22%2C%20%22dataset%22%3A%20%7B%22description%22%3A%20%22%2C%20%22creator%22%3A%20%22%2C%20%22a

# Variables

Select Columns

order_id		
Real number ()		
HIGH CORRELATION (This variable has a high overall correlation with 1 fields: year)		
	UNIFORM	UNIQUE
Distinct	454336	
Distinct (%)	100.0%	
Missing	0	
Missing (%)	0.0%	
Infinite	0	
Infinite (%)	0.0%	
Mean	$3.2145728 \times 10^8$	
Minimum	$3.2123011 \times 10^8$	
Maximum	$3.2168445 \times 10^8$	
Zeros	0	
Zeros (%)	0.0%	
Negative	0	
Negative (%)	0.0%	
Memory size	23.1 MiB	

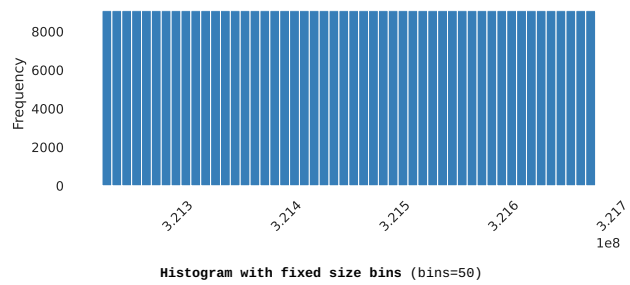


## Quantile statistics

Minimum	$3.2123011 \times 10^8$
5-th percentile	$3.2125283 \times 10^8$
Q1	$3.213437 \times 10^8$
median	$3.2145728 \times 10^8$
Q3	$3.2157087 \times 10^8$
95-th percentile	$3.2166173 \times 10^8$
Maximum	$3.2168445 \times 10^8$
Range	454335
Interquartile range (IQR)	227167.5

## Descriptive statistics

Standard deviation	131155.65
Coefficient of variation (CV)	0.00040800336
Kurtosis	-1.2
Mean	$3.2145728 \times 10^8$
Median Absolute Deviation (MAD)	113584
Skewness	$1.9820122 \times 10^{-15}$
Sum	$1.4604962 \times 10^{14}$
Variance	$1.7201805 \times 10^{10}$
Monotonicity	Strictly increasing



Value	Count	Frequency (%)
321230114	1	< 0.1%
321533000	1	< 0.1%
321533011	1	< 0.1%
321533010	1	< 0.1%
321533009	1	< 0.1%
321533008	1	< 0.1%
321533007	1	< 0.1%
321533006	1	< 0.1%
321533005	1	< 0.1%
321533004	1	< 0.1%
Other values (454326)	454326	> 99.9%

Value	Count	Frequency (%)
321230114	1	< 0.1%
321230115	1	< 0.1%
321230116	1	< 0.1%
321230117	1	< 0.1%
321230118	1	< 0.1%
321230119	1	< 0.1%
321230120	1	< 0.1%
321230121	1	< 0.1%
321230122	1	< 0.1%
321230123	1	< 0.1%

Value	Count	Frequency (%)
321684449	1	< 0.1%
321684448	1	< 0.1%
321684447	1	< 0.1%
321684446	1	< 0.1%
321684445	1	< 0.1%
321684444	1	< 0.1%
321684443	1	< 0.1%
321684442	1	< 0.1%
321684441	1	< 0.1%
321684440	1	< 0.1%

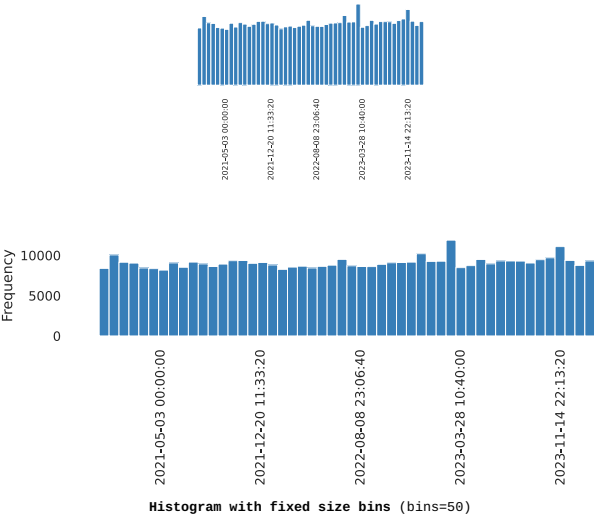






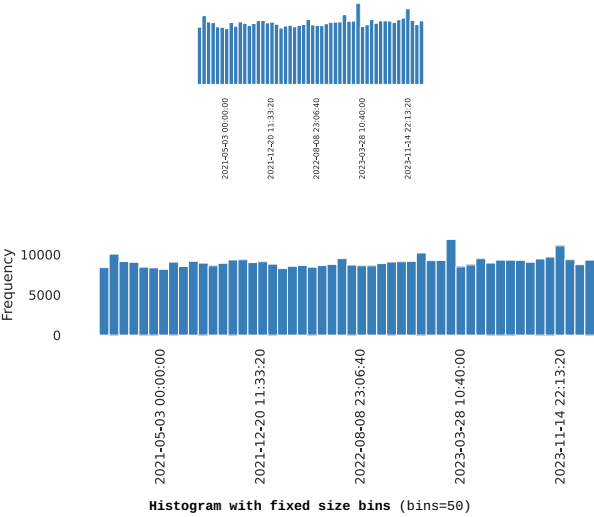
order\_placed\_at  
Date

Distinct	438928
Distinct (%)	96.6%
Missing	0
Missing (%)	0.0%
Memory size	23.1 MiB
Minimum	2020-12-11 00:01:29
Maximum	2024-01-31 23:58:05





time_stamp	
Date	
UNIQUE	
Distinct	454336
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Memory size	23.1 MiB
Minimum	2020-12-11 00:19:13.299151
Maximum	2024-02-01 00:17:50.996900





status		
Categorical		
CONSTANT		
Distinct	1	
Distinct (%)	< 0.1%	
Missing	0	
Missing (%)	0.0%	
Memory size	48.2 MiB	

Length		
Max length		9
Median length		9
Mean length		9
Min length		9

Characters and Unicode		
Total characters	4089024	
Distinct characters	7	
Distinct categories	1 ( <a href="https://en.wikipedia.org/wiki/Unicode_character_property#General_Category">https://en.wikipedia.org/wiki/Unicode_character_property#General_Category</a> )	?
Distinct scripts	1 ( <a href="https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode">https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode</a> )	?
Distinct blocks	1 ( <a href="https://en.wikipedia.org/wiki/Unicode_block">https://en.wikipedia.org/wiki/Unicode_block</a> )	?

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

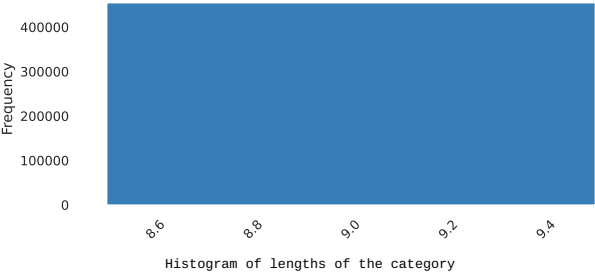
Unique		
Unique	0	?
Unique (%)	0.0%	

Sample		
1st row	Delivered	
2nd row	Delivered	
3rd row	Delivered	
4th row	Delivered	
5th row	Delivered	

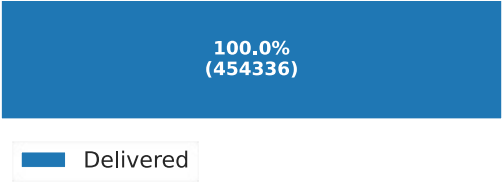
Common Values

Value	Count	Frequency (%)
Delivered	454336	100.0%

Length



Common Values (Plot)





Value	Count	Frequency (%)
delivered	454336	100.0%

Most occurring characters

Value	Count	Frequency (%)
e	1363008	33.3%
D	454336	11.1%
l	454336	11.1%
i	454336	11.1%
v	454336	11.1%
r	454336	11.1%
d	454336	11.1%

Most occurring categories

Value	Count	Frequency (%)
(unknown)	4089024	100.0%

Most frequent character per category

(unknown)		
Value	Count	Frequency (%)
e	1363008	33.3%
D	454336	11.1%
l	454336	11.1%
i	454336	11.1%
v	454336	11.1%
r	454336	11.1%
d	454336	11.1%

Most occurring scripts

Value	Count	Frequency (%)
(unknown)	4089024	100.0%

Most frequent character per script

(unknown)		
Value	Count	Frequency (%)
e	1363008	33.3%
D	454336	11.1%
l	454336	11.1%
i	454336	11.1%
v	454336	11.1%
r	454336	11.1%
d	454336	11.1%

Most occurring blocks

Value	Count	Frequency (%)
(unknown)	4089024	100.0%

Most frequent character per block

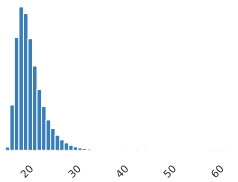
(unknown)		
Value	Count	Frequency (%)
e	1363008	33.3%
D	454336	11.1%
l	454336	11.1%
i	454336	11.1%
v	454336	11.1%
r	454336	11.1%
d	454336	11.1%





delivery\_duration  
Real number ( )

UNIQUE	
Distinct	454336
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	20.647561
Minimum	15.368415
Maximum	62.912078
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	23.1 MiB



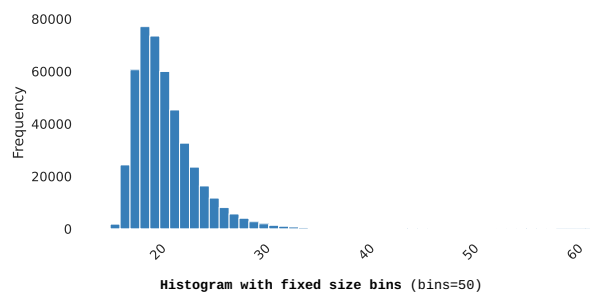
Quantile statistics

Minimum	15.368415
5-th percentile	17.191763
Q1	18.560568
median	19.981662
Q3	21.979704
95-th percentile	26.3513
Maximum	62.912078
Range	47.543663
Interquartile range (IQR)	3.419136

Descriptive statistics

Standard deviation	3.0076522
Coefficient of variation (CV)	0.14566622
Kurtosis	5.8166819
Mean	20.647561
Median Absolute Deviation (MAD)	1.6256727
Skewness	1.7458036
Sum	9380930.2
Variance	9.0459715
Monotonicity	Not monotonic





Value	Count	Frequency (%)
17.73831918	1	< 0.1%
25.3237058	1	< 0.1%
22.23605745	1	< 0.1%
19.10025428	1	< 0.1%
18.65789936	1	< 0.1%
18.09544782	1	< 0.1%
24.69702967	1	< 0.1%
27.26360025	1	< 0.1%
19.55275322	1	< 0.1%
21.08269862	1	< 0.1%
Other values (454326)	454326	> 99.9%

Value	Count	Frequency (%)
15.36841482	1	< 0.1%
15.49126732	1	< 0.1%
15.52976316	1	< 0.1%
15.53400982	1	< 0.1%
15.56599983	1	< 0.1%
15.61303527	1	< 0.1%
15.61872319	1	< 0.1%
15.62810322	1	< 0.1%
15.63989784	1	< 0.1%
15.69302412	1	< 0.1%

Value	Count	Frequency (%)
62.91207813	1	< 0.1%
58.06780155	1	< 0.1%
57.1429155	1	< 0.1%
55.92090304	1	< 0.1%
55.0021768	1	< 0.1%
54.81422045	1	< 0.1%
54.71084354	1	< 0.1%
54.69491867	1	< 0.1%
54.57592582	1	< 0.1%
54.56578153	1	< 0.1%





year

Categorical

HIGH CORRELATION (This variable has a high overall correlation with 1 fields: order\_id)

Distinct	5
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	46.0 MiB

Length

Max length	4
Median length	4
Mean length	4
Min length	4

Characters and Unicode

Total characters	1817344	
Distinct characters	5	
Distinct categories	1 ( <a href="https://en.wikipedia.org/wiki/Unicode_character_property#General_Category">https://en.wikipedia.org/wiki/Unicode_character_property#General_Category</a> )	?
Distinct scripts	1 ( <a href="https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode">https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode</a> )	?
Distinct blocks	1 ( <a href="https://en.wikipedia.org/wiki/Unicode_block">https://en.wikipedia.org/wiki/Unicode_block</a> )	?

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

Unique	0	?
Unique (%)	0.0%	

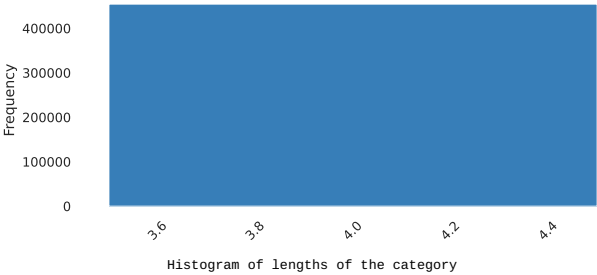
Sample

1st row	2020
2nd row	2020
3rd row	2020
4th row	2020
5th row	2020

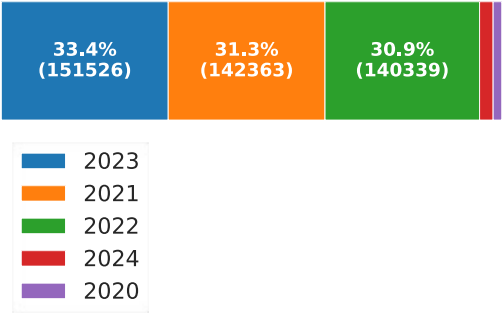
Common Values

Value	Count	Frequency (%)
2023	151526	33.4%
2021	142363	31.3%
2022	140339	30.9%
2024	12311	2.7%
2020	7797	1.7%

Length



Common Values (Plot)





Value	Count	Frequency (%)
2023	151526	33.4%
2021	142363	31.3%
2022	140339	30.9%
2024	12311	2.7%
2020	7797	1.7%

Most occurring characters

Value	Count	Frequency (%)
2	1049011	57.7%
0	462133	25.4%
3	151526	8.3%
1	142363	7.8%
4	12311	0.7%

Most occurring categories

Value	Count	Frequency (%)
(unknown)	1817344	100.0%

Most frequent character per category

(unknown)		
Value	Count	Frequency (%)
2	1049011	57.7%
0	462133	25.4%
3	151526	8.3%
1	142363	7.8%
4	12311	0.7%

Most occurring scripts

Value	Count	Frequency (%)
(unknown)	1817344	100.0%

Most frequent character per script

(unknown)

Value	Count	Frequency (%)
2	1049011	57.7%
0	462133	25.4%
3	151526	8.3%
1	142363	7.8%
4	12311	0.7%

Most occurring blocks

Value	Count	Frequency (%)
(unknown)	1817344	100.0%

Most frequent character per block

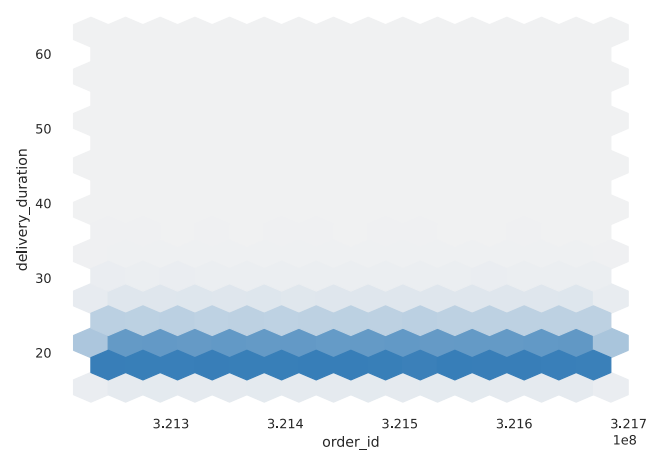
(unknown)

Value	Count	Frequency (%)
2	1049011	57.7%
0	462133	25.4%
3	151526	8.3%
1	142363	7.8%
4	12311	0.7%

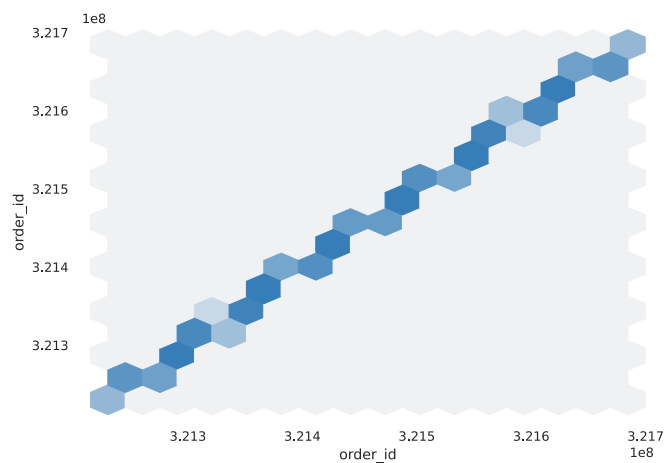




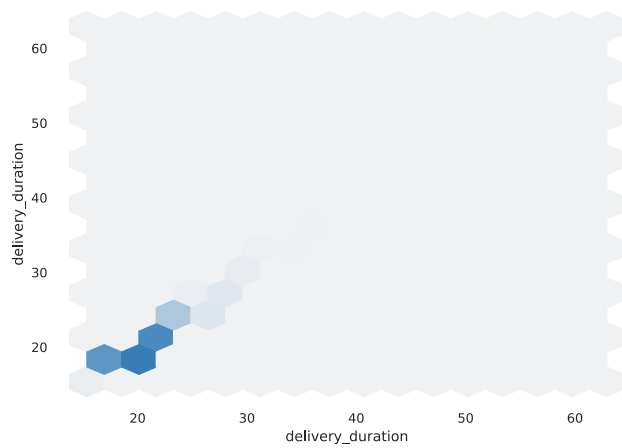
# Interactions

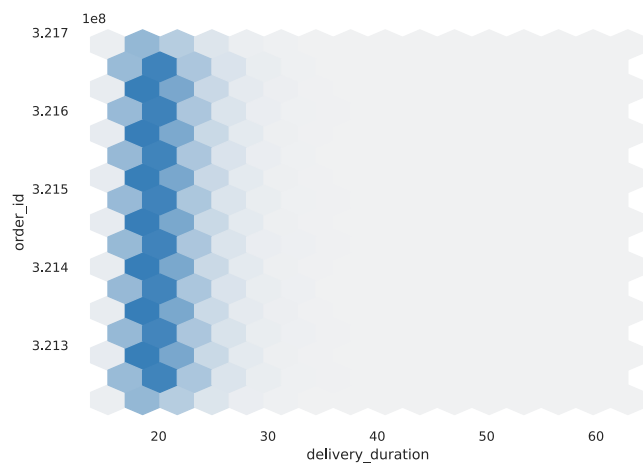






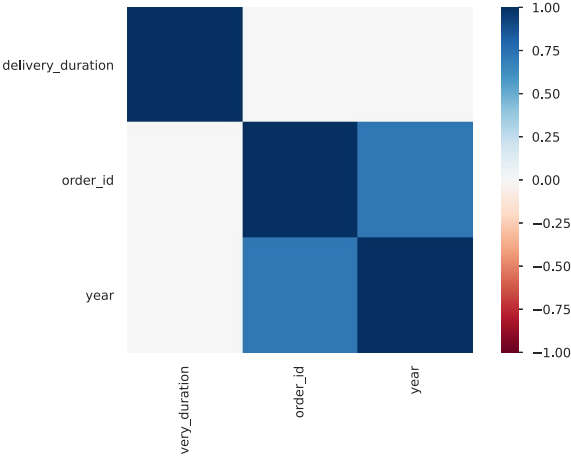








# Correlations

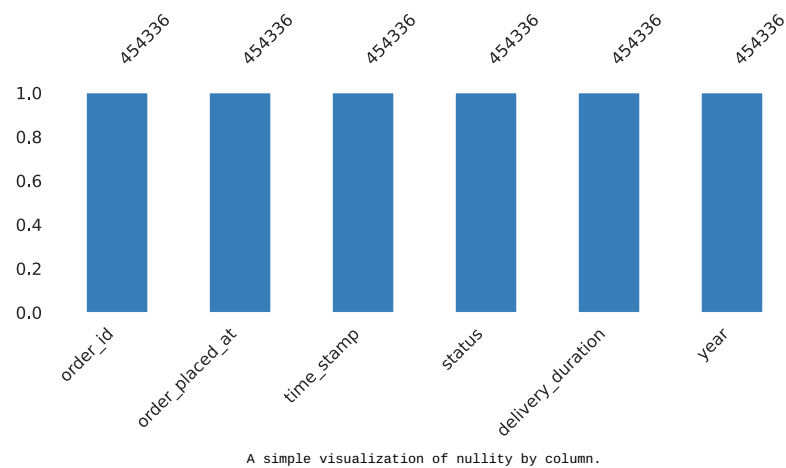


	delivery_duration	order_id	year
delivery_duration	1.000	0.000	0.000
order_id	0.000	1.000	0.716
year	0.000	0.716	1.000





# Missing values



	order_id	order_placed_at	time_stamp	status	delivery_duration	year
1						

454336

Nullity matrix is a data-dense display which lets you quickly visually pick out patterns in data completion.

# Sample

order_id		order_placed_at	time_stamp	status	delivery_duration	year
2	321230114	2020-12-11 00:01:29	2020-12-11 00:19:13.299151076	Delivered	17.738319	2020
5	321230115	2020-12-11 00:36:02	2020-12-11 00:59:18.054846609	Delivered	23.267581	2020
8	321230116	2020-12-11 00:55:01	2020-12-11 01:13:52.153042625	Delivered	18.852551	2020
11	321230117	2020-12-11 01:05:27	2020-12-11 01:22:44.430088094	Delivered	17.290501	2020
14	321230118	2020-12-11 01:14:20	2020-12-11 01:32:27.488575946	Delivered	18.124810	2020
17	321230119	2020-12-11 01:15:42	2020-12-11 01:38:59.623794276	Delivered	23.293730	2020
20	321230120	2020-12-11 01:29:52	2020-12-11 01:47:10.694916978	Delivered	17.311582	2020
23	321230121	2020-12-11 02:00:40	2020-12-11 02:19:31.162784213	Delivered	18.852713	2020
26	321230122	2020-12-11 02:10:29	2020-12-11 02:30:46.488091119	Delivered	20.291468	2020
29	321230123	2020-12-11 02:26:33	2020-12-11 02:47:18.105708301	Delivered	20.751762	2020

order_id		order_placed_at	time_stamp	status	delivery_duration	year
1362980	321684440	2024-01-31 22:57:37	2024-01-31 23:16:55.975819500	Delivered	19.316264	2024
1362983	321684441	2024-01-31 23:15:17	2024-01-31 23:32:42.083844780	Delivered	17.418064	2024
1362986	321684442	2024-01-31 23:13:45	2024-01-31 23:34:02.038575518	Delivered	20.283976	2024
1362989	321684443	2024-01-31 23:24:07	2024-01-31 23:50:06.640104742	Delivered	25.994002	2024
1362992	321684444	2024-01-31 23:23:58	2024-01-31 23:48:14.792822053	Delivered	24.279880	2024
1362995	321684445	2024-01-31 23:27:51	2024-01-31 23:45:54.185192716	Delivered	18.053087	2024
1362998	321684446	2024-01-31 23:40:14	2024-01-31 23:58:08.494812502	Delivered	17.908247	2024
1363001	321684447	2024-01-31 23:36:08	2024-01-31 23:56:35.426400154	Delivered	20.457107	2024
1363004	321684448	2024-01-31 23:58:05	2024-02-01 00:17:50.996900711	Delivered	19.766615	2024
1363007	321684449	2024-01-31 23:55:46	2024-02-01 00:14:56.997433391	Delivered	19.183291	2024

