

# Dealing with Duplicate Values in pandas

## Import Library

```
In [1]: import pandas as pd ## import library pandas
```

## Reading Csv files in Pandas

```
In [9]: df = pd.read_excel("C:/Users/prata/Downloads/restaurant.xlsx") #It will work if csv file in same folder
```

## To Cheek data

```
In [10]: df
```



Out[10]:

	id	name	Country	city	rating	rating_count	cuisine	link	address
0	567335	AB FOODS POINT	India	Abohar	--	Too Few Ratings	Beverages,Pizzas	<a href="https://www.swiggy.com/restaurants/ab-foods-po...">https://www.swiggy.com/restaurants/ab-foods-po...</a>	AB FOODS POINT, NEAR RISHI NARANG DENTAL CLINI...
1	531342	Janta Sweet House	India	Abohar	4.4	50+ ratings	Sweets,Bakery	<a href="https://www.swiggy.com/restaurants/janta-sweet...">https://www.swiggy.com/restaurants/janta-sweet...</a>	Janta Sweet House, Bazar No.9, Circullar Road,...
2	158203	theka coffee desi	India	Abohar	3.8	100+ ratings	Beverages	<a href="https://www.swiggy.com/restaurants/theka-coffe...">https://www.swiggy.com/restaurants/theka-coffe...</a>	theka coffee desi, sahtiya sadan road city
3	187912	Singh Hut	India	Abohar	3.7	20+ ratings	Fast Food,Indian	<a href="https://www.swiggy.com/restaurants/singh-hut-n...">https://www.swiggy.com/restaurants/singh-hut-n...</a>	Singh Hut, CIRCULAR ROAD NEAR NEHRU PARK ABOHAR
4	543530	GRILL MASTERS	India	Abohar	--	Too Few Ratings	Italian-American,Fast Food	<a href="https://www.swiggy.com/restaurants/grill-maste...">https://www.swiggy.com/restaurants/grill-maste...</a>	GRILL MASTERS, ADA Heights, Abohar - Hanumanga...
...	...	...	...	...	...	...	...	...	...
148535	553122	The Food Delight	India	Yavatmal	--	Too Few Ratings	Fast Food,Snacks	<a href="https://www.swiggy.com/restaurants/the-food-de...">https://www.swiggy.com/restaurants/the-food-de...</a>	The Food Delight, 94MC+X35, New Singhania Naga...
148536	562647	MAITRI FOODS & BEVERAGES	India	Yavatmal	--	Too Few Ratings	Pizzas	<a href="https://www.swiggy.com/restaurants/maitri-food...">https://www.swiggy.com/restaurants/maitri-food...</a>	MAITRI FOODS BEVERAGES, POLIC MITRYA SOCIETY...



	id	name	Country	city	rating	rating_count	cuisine	link	address
<b>148537</b>	559435	Cafe Bella Ciao	India	Yavatmal	--	Too Few Ratings	Fast Food,Snacks	<a href="https://www.swiggy.com/restaurants/cafe-bella-...">https://www.swiggy.com/restaurants/cafe-bella-...</a>	Cafe Bella Ciao, SHOP NO 2 NEMANI MARKET SBI S...
<b>148538</b>	418989	GRILL ZILLA	India	Yavatmal	--	Too Few Ratings	Continental	<a href="https://www.swiggy.com/restaurants/grill-zilla-...">https://www.swiggy.com/restaurants/grill-zilla-...</a>	GRILL ZILLA, SHO NO 2/6, POSTEL GROUND CHOWPAT...
<b>148539</b>	447770	Lazeez kitchen	India	Yavatmal	--	Too Few Ratings	Pizzas	<a href="https://www.swiggy.com/restaurants/lazeez-kitc...">https://www.swiggy.com/restaurants/lazeez-kitc...</a>	Lazeez kitchen, 94G3+2RR, Wadgaon, Yavatmal, M...

## Find Duplicate in dataset

```
In [11]: df.duplicated() # it will tell you about duplicate in dataset
```

```
Out[11]: 0      False
1      False
2      False
3      False
4      False
...
148535  False
148536  False
148537  False
148538  False
148539  False
Length: 148540, dtype: bool
```

```
In [12]: df["id"].duplicated() #you can check duplicate by passing "id" Column
```



```
Out[12]: 0      False
          1      False
          2      False
          3      False
          4      False
          ...
          148535 False
          148536 False
          148537 False
          148538 False
          148539 False
          Name: id, Length: 148540, dtype: bool
```

```
In [13]: df["id"].duplicated().sum() # we can check duplicate in column by sum
```

```
Out[13]: 0
```

```
In [15]: df.drop_duplicates() # drop Duplicate
```



Out[15]:

	id	name	Country	city	rating	rating_count	cuisine	link	address
0	567335	AB FOODS POINT	India	Abohar	--	Too Few Ratings	Beverages,Pizzas	<a href="https://www.swiggy.com/restaurants/ab-foods-po...">https://www.swiggy.com/restaurants/ab-foods-po...</a>	AB FOODS POINT, NEAR RISHI NARANG DENTAL CLINI...
1	531342	Janta Sweet House	India	Abohar	4.4	50+ ratings	Sweets,Bakery	<a href="https://www.swiggy.com/restaurants/janta-sweet...">https://www.swiggy.com/restaurants/janta-sweet...</a>	Janta Sweet House, Bazar No.9, Circullar Road,...
2	158203	theka coffee desi	India	Abohar	3.8	100+ ratings	Beverages	<a href="https://www.swiggy.com/restaurants/theka-coffe...">https://www.swiggy.com/restaurants/theka-coffe...</a>	theka coffee desi, sahtiya sadan road city
3	187912	Singh Hut	India	Abohar	3.7	20+ ratings	Fast Food,Indian	<a href="https://www.swiggy.com/restaurants/singh-hut-n...">https://www.swiggy.com/restaurants/singh-hut-n...</a>	Singh Hut, CIRCULAR ROAD NEAR NEHRU PARK ABOHAR
4	543530	GRILL MASTERS	India	Abohar	--	Too Few Ratings	Italian-American,Fast Food	<a href="https://www.swiggy.com/restaurants/grill-maste...">https://www.swiggy.com/restaurants/grill-maste...</a>	GRILL MASTERS, ADA Heights, Abohar - Hanumanga...
...	...	...	...	...	...	...	...	...	...
148535	553122	The Food Delight	India	Yavatmal	--	Too Few Ratings	Fast Food,Snacks	<a href="https://www.swiggy.com/restaurants/the-food-de...">https://www.swiggy.com/restaurants/the-food-de...</a>	The Food Delight, 94MC+X35, New Singhania Naga...
148536	562647	MAITRI FOODS & BEVERAGES	India	Yavatmal	--	Too Few Ratings	Pizzas	<a href="https://www.swiggy.com/restaurants/maitri-food...">https://www.swiggy.com/restaurants/maitri-food...</a>	MAITRI FOODS BEVERAGES, POLIC MITRYA SOCIETY...



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<b>148538</b>	418989	GRILL ZILLA	India	Yavatmal	--	Too Few Ratings	Continental	<a href="https://www.swiggy.com/restaurants/grill-zilla-...">https://www.swiggy.com/restaurants/grill-zilla-...</a>	GRILL ZILLA, SHO NO 2/6, POSTEL GROUND CHOWPAT...
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```
In [16]: df.drop_duplicates("id") # drop duplicate by column
```



Out[16]:

	id	name	Country	city	rating	rating_count	cuisine	link	address
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...	...	...	...	...	...	...	...	...	...
148535	553122	The Food Delight	India	Yavatmal	--	Too Few Ratings	Fast Food,Snacks	<a href="https://www.swiggy.com/restaurants/the-food-de...">https://www.swiggy.com/restaurants/the-food-de...</a>	The Food Delight, 94MC+X35, New Singhania Naga...
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148538	418989	GRILL ZILLA	India	Yavatmal	--	Too Few Ratings	Continental	https://www.swiggy.com/restaurants/grill-zilla...	GRILL ZILLA, SHO NO 2/6, POSTEL GROUND CHOWPAT...
148539	447770	Lazeez kitchen	India	Yavatmal	--	Too Few Ratings	Pizzas	https://www.swiggy.com/restaurants/lazeez-kitc...	Lazeez kitchen, 94G3+2RR, Wadgaon, Yavatmal, M...

In [ ]:

