import pandas as pd
import numpy as mp
import seaborn as sns

from google.colab import files
uploaded = files.upload()



Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to

df = pd.read_excel("QVI_transaction_data.xlsx")
df.head() #head is the method to see if the file is uploaded or not

_		DATE	STORE_NBR	LYLTY_CARD_NBR	TXN_ID	PROD_NBR	PROD_NAME	PROD_QTY	TOT_SALES
	0	43390	1	1000	1	5	Natural Chip Compny SeaSalt175g	2	6.0
	1	43599	1	1307	348	66	CCs Nacho Cheese 175g	3	6.3
	2	43605	1	1343	383	61	Smiths Crinkle Cut Chips Chicken 170g	2	2.9
	3	43329	2	2373	974	69	Smiths Chip Thinly S/Cream&Onion 175g	5	15.0
	4	43330	2	2426	1038	108	Kettle Tortilla ChosHov&Ilono Chili 150a	3	13.8

df.describe() # this will give the sumery of the data

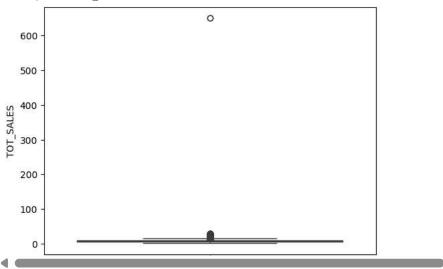
₹		DATE	STORE NBR	LYLTY CARD NBR	TXN ID	PROD NBR	PROD QTY	TOT SALES
_		DATE	STOKE_NOK	ETETT_CARD_NOR	TAN_ID	T NOD_NON	1105_611	TOT_SALES
	count	264836.000000	264836.00000	2.648360e+05	2.648360e+05	264836.000000	264836.000000	264836.000000
	mean	43464.036260	135.08011	1.355495e+05	1.351583e+05	56.583157	1.907309	7.304200
	std	105.389282	76.78418	8.057998e+04	7.813303e+04	32.826638	0.643654	3.083226
	min	43282.000000	1.00000	1.000000e+03	1.000000e+00	1.000000	1.000000	1.500000
	25%	43373.000000	70.00000	7.002100e+04	6.760150e+04	28.000000	2.000000	5.400000
	50%	43464.000000	130.00000	1.303575e+05	1.351375e+05	56.000000	2.000000	7.400000
	75%	43555.000000	203.00000	2.030942e+05	2.027012e+05	85.000000	2.000000	9.200000
	may	43646 000000	272 00000	2 373711e+06	2 415841e+06	114 000000	200 000000	650 000000

df.isnull().sum() #to check the null values in the data



sns.boxplot(df.TOT_SALES)

<Axes: ylabel='TOT_SALES'>



checking for outliers
sns.distplot(df.TOT_SALES,kde=True)

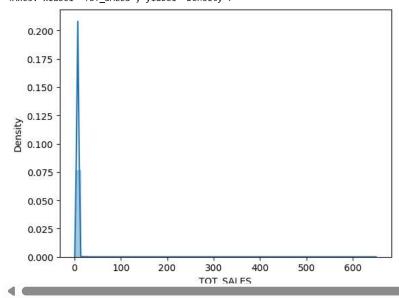
/tmp/ipython-input-20-2396593829.py:2: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see $\underline{\text{https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751}}$

sns.distplot(df.TOT_SALES,kde=True)
<Axes: xlabel='TOT_SALES', ylabel='Density'>



numeric_data = df.select_dtypes(['float','int'])

numeric_data.head()

_		DATE	STORE_NBR	LYLTY_CARD_NBR	TXN_ID	PROD_NBR	PROD_QTY	TOT_SALES
	0	43390	1	1000	1	5	2	6.0
	1	43599	1	1307	348	66	3	6.3
	2	43605	1	1343	383	61	2	2.9
	3	43329	2	2373	974	69	5	15.0
	4	43330	2	2426	1038	108	3	13.8

x = numeric_data[numeric_data['TOT_SALES']<8.000]</pre>

sns.distplot(x.TOT_SALES,kde=True)

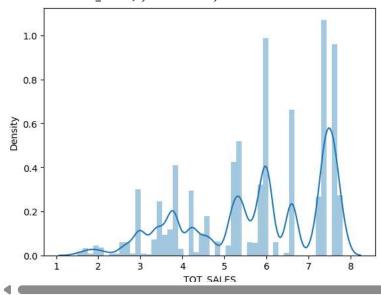
/tmp/ipython-input-17-2076764446.py:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

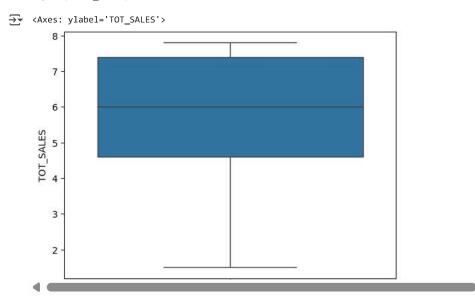
Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see $% \left\{ 1,2,\ldots ,n\right\}$ https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

sns.distplot(x.TOT_SALES,kde=True) <Axes: xlabel='TOT_SALES', ylabel='Density'>



sns.boxplot(x.TOT_SALES)



df.dtypes



dtype: object

Start coding or generate with AI.