<pre>memory usage: 1. df.head() ID Warehouse_ 0 1</pre>	block Mode_of_Shipment C	l int64	Customer_rating	Cost_of_the_Product	Prior_purchases			er Discount_offe	ered Weight_i	
 1 2 2 3 3 4 4 5 	Flight Flight A Flight B Flight C Flight for different warehouses	4 4 2 3 2	2 5 2 3 2	177 216 183 176 184			low low lium	F M M F	4459481046	1233 3088 3374 1177 2484
F 3666 D 1834 A 1833 B 1833 C 1833	<pre>lock"].value_counts() _block, dtype: int64</pre>									
3 2239 1 2235 4 2189 5 2171 2 2165 Name: Customer_1	rating, dtype: int64 ne/not on time order									
1 6563 0 4436 Name: Reached.or Rating 5 with on t	<pre>Time_Y.N"].value_counts(n.Time_Y.N, dtype: int64 ime delivery (df["Customer_rating"] =</pre>		d.on.Time_Y.N"]	== 0)])						
<pre>print(count) 854 Rating 1 with not count_1 = len(d: print(count_1)</pre>	on time delivery E[(df["Customer_rating"]	== 1)&(df["Reach	ned.on.Time_Y.N	"] == 1)])						
count_importance print(count_importance) 186				stomer_rating"] =	= 5)])					
<pre>df['Mode_of_Ship axes[0, 0].set_t df['Cost_of_the axes[0, 1].set_t df['Discount_of: axes[1, 0].set_t</pre>	pment'].hist(ax=axes[0, title('Mode of Shipment' _Product'].hist(ax=axes[title('Cost of the Product'].hist(ax=axes[1, title('Discount offered').hist(ax=axes[1, title('Discount offered').hist(ax=axes[1, 1])	0]) 0, 1]) ct') 0])	5))							
axes[1, 1].set_t plt.tight_layout plt.show() Mod 7000 6000 5000	title('Weight in gms') t() de of Shipment 2000	Cost of the	e Product							
4000 3000 2000 1000 Flight Dis	Ship Road scount offered	100 150 200 Weight								
4000 3000 2000 1000 0 20	1500 1000 500 40 60	2000 4000	6000 800							
<pre>print(cont_table plt.scatter(df[' plt.title("Custo"))</pre>	"Product_importance"], domer Ratings by Product duct Importance") tomer Rating")	f["Customer_ratir								
high low medium 5.0 4.5 4.0	1117 1015 1054 1	193 186 060 1051 936 934								
2.5 2.0 1.5 1.0 bw	medium Product Importance	high								
<pre>plt.xlabel("Cust plt.ylabel("Cust plt.title("Relat Text(0.5, 1.0,</pre>	"Customer_care_calls", y tomer Care Calls") tomer Rating") tionship between Custome Relationship between Cu	r Care Calls and stomer Care Calls	Customer Ratin	ā")	e calls')					
3.15 3.10 3.05 3.00 2.95 2.90	— Custo	mer care calls								
<pre>sns.set(style="v sns.lineplot(x=" plt.xlabel("Cost</pre>	Customer Care Calls	5 7 ="Customer_care_c	calls", data=df)						
Text(0.5, 1.0, Relationship betw	tionship between Cost of Relationship between Co ween Cost of the Product and Custo	st of the Product								
Customer can a series of the s	50 200 250 Cost of the Product	300								
plt.xlabel("Discount of plt.ylabel("Customer of plt.title("Related of plt.title("Related of plt.title("), 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0	"Discount_offered", y="Count offered") tomer Rating") tionship between Custome Relationship between Cu	r Care Calls and stomer Care Calls	Customer Ratin	ā")	')					
4.00 3.75 3.50 3.25 3.00 2.75 2.50	etween Customer Care Calls and C	Scount offered								
	Product_importance", y="	60 Reached.on.Time_N	Y.N", data=df)							
plt.ylabel("Read plt.title("Relate Text(0.5, 1.0,	duct_Importance") ched.on.Time_Y.N") tionship between Product Relationship between Product between Product Importance and D	oduct Importance								
0.5 Control		high								
relationships betw	<pre>reduct_Importance reen different factors and of mer_care_calls', 'Custom' ize = (18, 20)) len(cols)):</pre>	delivery time	_of_the_Product	','Prior_purchase	s','Discount_of	fered','Weight	:_in_gms']			
ax = pl: sns.kde	<pre>t.subplot(4, 2, plotnumb plot(x = cols[i], data = le(f"\n{cols[i]} Value C t= 1</pre>	<pre>df, ax = ax,hue= ounts\n", fontsiz</pre>	ze = 21)	me_Y.N')		Custor	mer_rat	ing Value C	ounts	
0.40 0.35 0.30 0.25 0.20 0.15				on.Time_Y.N	75 50 25 00				Rea	ched.on.
0.10 0.05 0.00	2 3 4 Cust	omer_care_calls Product Value	6 7	0.0	25	1 2 Prior_		3 omer_rating ses Value C	ounts	5
0.004 0.003 0.002				0 1 0.00	35 30 25 20 15				Rea	ched.on.
0.001		200 250 of_the_Product		0.	10 05 00 2	Weigh		6 purchases ns Value Co	8 ounts	10
0.040 0.035 0.030 0.025 0.020			Reached.o	on.Time_Y.N - 0	50 25		g.			ched.on.
0.015 0.010 0.005 0.000		40 scount_offered	60	0.0000 0.0000 0.0000	50 25	2000	4000 Weig) (ht_in_gms	3000	800
<pre>sns.heatmap(df.c <axessubplot:> ID Customer_care_calls</axessubplot:></pre>		- 1. - 0. - 0.	.8							