1	'Item_Type', ']	er', 'Item_ Item_MRP', ishment_Yea 'Item_Outl	Weight', 'Item 'Outlet_Identi r', 'Outlet_Si et_Sales'],	n_Fat_Content', ': fier', .ze', 'Outlet_Loca _Establishment_Year	ation_Type',	′¹,					
mean std min 25% 50% 75% max	4.654126 ( 4.555000 ( 8.710000 ( 12.500000 ( 30.000000 ( cem_Weight'].fil	0.065953 1 0.051459 0.000000 0.027036 0.054021 1 0.094037 1 0.328391 2	41.004977 62.086938 31.290000 94.012000 42.247000 85.855600 66.888400	14204.000000 1997.830681 8.371664 1985.000000 1987.000000 2004.000000 2009.000000	14204.000000 2185.836320 1827.479550 33.290000 922.135101 1768.287680 2988.110400 31224.726950  ht'].transform(	'mean'),inplace=True	.)				
RangeIn Data co # Co 0 It 1 It 2 It 3 It 4 It 5 It 6 Ou 7 Ou 8 Ou 9 Ou	'pandas.core.fr ndex: 14204 entrolumns (total 12 olumn  tem_Identifier tem_Weight tem_Fat_Content tem_Visibility tem_Type tem_MRP utlet_Identifier utlet_Establishmutlet_Size utlet_Location_1	ries, 0 to 2 columns): r ment_Year Type	14203  Non-Null Count 14204 non-null	object float64 object float64 object float64 object int64 object object							
11 It dtypes: memory df.des	4.251186       0         4.555000       0         9.300000       0         12.800000       0         16.000000       0	Visibility  4.000000 142  0.065953 1  0.051459  0.000000  0.027036  0.054021 1  0.094037 1	Item_MRP Outlet_		14204.000000 2185.836320 1827.479550 33.290000 922.135101 1768.287680 2988.110400 31224.726950						
sns.pa		rGrid at 0x	0.1 0.2 0.3	100	200 1990		(8))) (8))) (8)))				
	Item_Weight  Item_Identifier  dentifier  10 10 10 10 7 7 7 7		Item_Visibility	Item_MRP			tem_Outlet_Sales				
Length:  df['I  Low Fat Regular LF reg low fat Name: I	4824 522 195 178 Item_Fat_Content	t, dtype: i	nt64	','reg':'Regular	','low fat':'Lo	w Fat'}},inplace= <b>T</b> ru	e)				
Low Fat Regular Name: I  df.rep  df[['I  Item_Ty	tem_Fat_Content  place({'Item_Fat  tem_Type']].val  /pe and Vegetables	t, dtype: i Content':	nt64 {'Low Fat':0,	'Regular':1}},inp	place <b>=True</b> )						
Meat Soft Dr Breads Hard Dr Others Starchy Breakfa Seafood dtype:  df.rep	Foods Goods and Hygiene rinks rinks / Foods ast d int64 place({'Item_Typ					d':1,'Frozen Foods': Drinks':0,'Others':2			:0,'Seafood'	:0}},inplace=	True)
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df[['0	<pre>int64 place({'Outlet_I place({'Outlet_I putlet_Identifie _Identifier</pre>			OUT013':1,'OUT049	9':2,'OUT046':3	,'OUT035':4,'OUT045'	:5,'OUT018':6,'O	UT017':7,'0UT0	10':8,'OUT01	<mark>9</mark> ':9,}},inpla	ce= <b>True</b> )
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High dtype:				:1, 'High':2}},ing	place <b>=True</b> )						
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dtype:  df.rep  df[['0  Outlet_1 0 2 dtype:  df['Ou  Tier 3 Tier 2 Tier 1 Name: 0  df.rep  df[['0	Outlet_Size']].v _Size	value_count  Type'].valu  Type, dtyp  cocation_Ty  Type']].va  5583	e_counts() e: int64 pe':{'Tier 1':	0,'Tier 2':1,'Tie	er 3':2}},inpla	ce=True)					
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dtype:  df.rep  df[['0]  Outlet_1 0 2 dtype:  df['0u  Tier 3 Tier 2 Tier 1 Name: 0  df.rep  df[['0]  Outlet_2 1 0 dtype:  df[['0]  Outlet_Superma Grocery Superma Superma dtype:  df.rep  df['ou  1 92 0 18 3 15 2 15 Name: 0  df.he  ltem_  0 1 2 3 4  df.inf <class< th=""><th>Outlet_Size']].v  Size  7122  5529  1553  int64  Itlet_Location_T  5583  4641  3980 Outlet_Location_ Olace({'Outlet_L}  Outlet_Location_Type  int64  Outlet_Type']].v  Type arket Type1  y Store arket Type3 arket Type2 int64  Olace({'Outlet_T  Olac</th><th>value_count  Type'].valu  Type, dtyp  cocation_Ty  Type']].va  5583 4641 3980  value_count  2294 1805 1559 1546  Type':{'Gro  Lue_counts(  ype: int64  ight ltem_Fat  12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.</th><th>s()  e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  cery Store':0,  0 0.1 0 0.1 0 0.1 0 0.0 1 0.0  ame'&gt;</th><th>sibility   tem_Type   tt   t   t   t   t   t   t   t   t  </th><th>e1':1,'Supermar</th><th></th><th>nent_Year Outlet_Siz 1999 2007 2009 1985</th><th></th><th></th><th>1 436.0 1 443.1 2 564.1 0 1719.1</th><th>Sales 608721 127721 598400 370000 374000</th></class<>	Outlet_Size']].v  Size  7122  5529  1553  int64  Itlet_Location_T  5583  4641  3980 Outlet_Location_ Olace({'Outlet_L}  Outlet_Location_Type  int64  Outlet_Type']].v  Type arket Type1  y Store arket Type3 arket Type2 int64  Olace({'Outlet_T  Olac	value_count  Type'].valu  Type, dtyp  cocation_Ty  Type']].va  5583 4641 3980  value_count  2294 1805 1559 1546  Type':{'Gro  Lue_counts(  ype: int64  ight ltem_Fat  12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.	s()  e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  cery Store':0,  0 0.1 0 0.1 0 0.1 0 0.0 1 0.0  ame'>	sibility   tem_Type   tt   t   t   t   t   t   t   t   t	e1':1,'Supermar		nent_Year Outlet_Siz 1999 2007 2009 1985			1 436.0 1 443.1 2 564.1 0 1719.1	Sales 608721 127721 598400 370000 374000
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dtype:  df.rep  df[['0]  Outlet_1 0 2 dtype:  df['0u Tier 3 Tier 2 Tier 1 Name: O  df.rep  df[['0]  Outlet_2 1 0 dtype:  df[['0]  Outlet_2 1 0 dtype:  df.rep  df['0u 1 92 0 3 15 Name: O  df.he  ltem  ltem  o 1 2 3 4  df.inf <class #="" co="" co<="" data="" rangein="" td=""><td>  Size</td><td>ralue_count  Type'].value  Type, dtyp  Cocation_Ty  Type']].va  \$583 4641 3980  ralue_count  2294 1805 1559 1546  Type':{'Gro  Que_counts(  respe: int64  ight Item_Fat  12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.</td><td>e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  cery Store':0,  )  cery Store':0,  )  cery Store':0,  )  cery Store':0,  )  cery Store':0,  14204 non-null 14204 n</td><td>sibility                                      </td><td>e1':1, 'Supermar'  a3.4874  33.9874  34.3874  35.0874   Outlet_Identifier  2  7  6  9  7   4  7  1  0  2</td><td>lentifier Outlet_Establish  2  7  6  9  7  1999  2007  2009  1985  1999  1999</td><td>nent_Year</td><td>e Outlet_Location  1 1 1 1 1 0 1  Ocation_Type Out  0 1 2 0 1 1 1 2 2 2</td><td>n_Type Outlet_T 0 1 2 0 1 2 0 1 1 2 1 1 2 0 1 3</td><td>1 436.0 1 443.1 2 564.1 0 1719.1 1 352.1</td><td>508721 127721 598400 374000</td></class>	Size	ralue_count  Type'].value  Type, dtyp  Cocation_Ty  Type']].va  \$583 4641 3980  ralue_count  2294 1805 1559 1546  Type':{'Gro  Que_counts(  respe: int64  ight Item_Fat  12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.	e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  cery Store':0,  )  cery Store':0,  )  cery Store':0,  )  cery Store':0,  )  cery Store':0,  14204 non-null 14204 n	sibility	e1':1, 'Supermar'  a3.4874  33.9874  34.3874  35.0874   Outlet_Identifier  2  7  6  9  7   4  7  1  0  2	lentifier Outlet_Establish  2  7  6  9  7  1999  2007  2009  1985  1999  1999	nent_Year	e Outlet_Location  1 1 1 1 1 0 1  Ocation_Type Out  0 1 2 0 1 1 1 2 2 2	n_Type Outlet_T 0 1 2 0 1 2 0 1 1 2 1 1 2 0 1 3	1 436.0 1 443.1 2 564.1 0 1719.1 1 352.1	508721 127721 598400 374000
df.rep  df.['0  outlet_1 0 2 dtype:  df['ou Tier 3 Tier 2 Tier 1 Name: 0  df.rep  df['o  outlet_2 1 0 dtype:  df['o  outlet_2 1 0 dtype:  df.rep  df['o  outlet_3 Superma Superma Superma Superma Superma Superma Superma Superma Superma Co 0 It 1 2 3 4  df.inf <class #="" 0="" 1="" 1<="" 2="" 3="" 4="" class="" co="" data="" df.inf="" it="" rangein="" td=""><td>Dutlet_Size']].v  Size</td><td>/alue_count  [Type, dtype.cocation_Ty  [Type'].value.cocation_Ty  [Type']].va    5583</td><td>e_counts()  e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  cery Store':0,  0 0.1  0 0.1  0 0.1  0 0.1  14204 non-null 14204 non-nul</td><td>## Sibility                                      </td><td>Eem_MRP</td><td>lentifier Outlet_Establish  2  7  6  9  7  1999  2007  2009  1985  1999  1999</td><td>Dutlet_Size Outlet_L  1999 2007 2009 1985 2007   1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>e Outlet_Location 1 1 1 0 1 Outlet_Location 1 1 1 0 1 1 1 1 0 1 1 1 2 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 2 2 0 0 1 1 1 2 2 2 0 0 1 1 1 2 2 2 0 0 1 1 1 2 2 2 2</td><td>Type Outlet_1 0 1 2 0 1 1 2 1 1 1 2 0 1 1 1 2 1 1 1 1</td><td>1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1</td><td>008721 127721 598400 374000 00cation_Type','Out</td></class>	Dutlet_Size']].v  Size	/alue_count  [Type, dtype.cocation_Ty  [Type'].value.cocation_Ty  [Type']].va    5583	e_counts()  e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  cery Store':0,  0 0.1  0 0.1  0 0.1  0 0.1  14204 non-null 14204 non-nul	## Sibility	Eem_MRP	lentifier Outlet_Establish  2  7  6  9  7  1999  2007  2009  1985  1999  1999	Dutlet_Size Outlet_L  1999 2007 2009 1985 2007   1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	e Outlet_Location 1 1 1 0 1 Outlet_Location 1 1 1 0 1 1 1 1 0 1 1 1 2 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 2 2 0 0 1 1 1 2 2 2 0 0 1 1 1 2 2 2 0 0 1 1 1 2 2 2 2	Type Outlet_1 0 1 2 0 1 1 2 1 1 1 2 0 1 1 1 2 1 1 1 1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out
df.rep  df.rep  df.['0  Outlet_1 0 2 dtype:  df['0u  Tier 3 Tier 2 Tier 2 Tier 1 Name: 0  df.rep  df[['0  Outlet_2 1 0 dtype:  df[['0  Outlet_Superma Grocery Superma Grocery Superma Grocery Superma dtype:  df.rep  df['0u  1 92 0 18 3 15 Name: 0  df.he  ltem 0 1 2 3 4  df.inf <class #="" co="" co<="" data="" rangein="" td=""><td>Dutlet_Size']].v  Size</td><td>/alue_count  [Type, dtype] .ocation_Ty .ocation_Ty .Type']].va .5583 .4641 .3980 ./alue_count .0294 .1895 .1546 .1546 .1591 .1546 .1691 .1691 .1792 .1792 .1893 .1</td><td>e_counts()  e_counts()  e: int64  pe':{'Tier 1':  lue_counts()  s()  cery Store':0,  cery Store':0,  0</td><td>## Sibility                                      </td><td>e1':1, 'Supermar  a3.4874  33.9874  34.3874  35.0874   Outlet_Identifier Outlet_Iden</td><td>ket Type2':2, 'Supern  lentifier Outlet_Establish  2</td><td>nent_Year</td><td>e Outlet_Location  1  1  1  0  1  Ocation_Type Ou  0  1  2  0  1  2  0  1  2  0  1</td><td>Type Outlet_T  0 1 2 0 1 1 2 1 1 1 2 0 1 1 1 1 3 1</td><td>1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1</td><td>008721 127721 598400 374000 00cation_Type','Out</td></class>	Dutlet_Size']].v  Size	/alue_count  [Type, dtype] .ocation_Ty .ocation_Ty .Type']].va .5583 .4641 .3980 ./alue_count .0294 .1895 .1546 .1546 .1591 .1546 .1691 .1691 .1792 .1792 .1893 .1	e_counts()  e_counts()  e: int64  pe':{'Tier 1':  lue_counts()  s()  cery Store':0,  cery Store':0,  0	## Sibility	e1':1, 'Supermar  a3.4874  33.9874  34.3874  35.0874   Outlet_Identifier Outlet_Iden	ket Type2':2, 'Supern  lentifier Outlet_Establish  2	nent_Year	e Outlet_Location  1  1  1  0  1  Ocation_Type Ou  0  1  2  0  1  2  0  1  2  0  1	Type Outlet_T  0 1 2 0 1 1 2 1 1 1 2 0 1 1 1 1 3 1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out
df.rep  df[['0]  Outlet_1 0 2 dtype:  df['ou  Tier 3 Tier 2 Tier 1 Name: O  df.rep  df[['0]  Outlet_2 1 0 0 dtype:  df[['0]  Outlet_Superma Grocery Superma dtype:  df.rep  df['ou  1 92 0 18 3 15 Name: O  df.he  ltem_ 0  1 12 3 4  df.inf <a href="class"> <a hre<="" td=""><td>  Size</td><td>### A Content   Fat Content  </td><td>e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  s()  s()  cery Store':0,  cery Store':0,  0 0.1  0 0.1  0 0.1  0 0.1  14204 non-null 14204 non-null</td><td>### Supermarket Type    Supermarket Type</td><td>e1':1, 'Supermar  lem_MRP</td><td>                                     </td><td>Outlet_Size</td><td>e Outlet_Location  1 1 1 0 1 0 1 1 2 0 1 1 1 2 0 1 1 1 2 0 1 1 1 2 0 1 1 1 1</td><td>Type Outlet_T  0 1 2 0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1</td><td>1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1</td><td>008721 127721 598400 374000 00cation_Type','Out</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	Size	### A Content   Fat Content	e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  s()  s()  s()  cery Store':0,  cery Store':0,  0 0.1  0 0.1  0 0.1  0 0.1  14204 non-null	### Supermarket Type    Supermarket Type	e1':1, 'Supermar  lem_MRP		Outlet_Size	e Outlet_Location  1 1 1 0 1 0 1 1 2 0 1 1 1 2 0 1 1 1 2 0 1 1 1 2 0 1 1 1 1	Type Outlet_T  0 1 2 0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out
df.rep  df.rep  df.rep  df.rio  Outlet_1 0 2 dtype:  df.rep	Size	## A CONTRACT  ## A C	e_counts()  e: int64  pe':{'Tier 1':' lue_counts()  cery Store':0,  s()  cery Store':0,  0 0.1  0 0.1  0 0.1  0 0.1  1 0.0  ame'> 14204 non-null 14204 non-n	## Type	e1':1, 'Supermar  tem_MRP		Outlet_Size	eight', 'Item_v  ocation_Type Ou  0 1 2 0 1 1 1 2 0 1 1 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 2	Type Outlet_T  0  1  2  0  1  1  2  1  1  1  1  1  1  1  3  1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out
dtype:  df.rep  df['0  Outlet_1 0 2 dtype:  df['0u  Tier 3 Tier 2 Tier 1 Name: O  df.rep  df[['0  Outlet_2 1 0 dtype:  df[['0  Outlet_2 1 0 dtype:  df[['0  Outlet_3 Superma dtype:  df.rep  d	Size	### #### #############################	e_counts()  e: int64  pe':{'Tier'1':' lue_counts()  s()  cery Store':0,  s()  cery Store':0,  0 0.1  0 0.1  0 0.1  0 0.1  1 0.0  ame'> 14204 non-null 14204	## Type	e1':1, 'Supermar  tem_MRP		Outlet_Size	eight', 'Item_v  ocation_Type Ou  0 1 2 0 1 1 1 2 0 1 1 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 2	Type Outlet_T  0  1  2  0  1  1  2  1  1  1  1  1  1  1  3  1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out
dtype:  df.rep  df[['0]  totalet_ 10	Size	### A CONTENT OF THE PART OF T	e: int64  pe':{'Tier 1':' lue_counts()  s()  s()  cery Store':0,  0 0.3  0 0.3  0 0.3  0 0.0  1 0.0  14204 non-null 14204 non-	## Type	Dutlet_Identifier		Outlet_Size	eight', 'Item_v  ocation_Type Ou  0 1 2 0 1 1 1 2 0 1 1 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 2	Type Outlet_T  0  1  2  0  1  1  2  1  1  1  1  1  1  1  3  1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out
df. rep           da           df.	Size	### ### #### #########################	e_counts()  e_cint64  pe':{Tier 1': lue_counts()  s()  s()  cery Store':0, )  cery Store':0, )  cery Store':0, )  no 0.1 0 0.1 0 0.1 1 0.0  ame'> 14204 non-null 14204 non-	## Type	Dutlet_Identifier		Outlet_Size	eight', 'Item_v  ocation_Type Ou  0 1 2 0 1 1 1 2 0 1 1 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 0 1 2 2 2 2	Type Outlet_T  0  1  2  0  1  1  2  1  1  1  1  1  1  1  3  1	1 436.4 1 443.2 2 564.1 0 1719.1 1 352.1	008721 127721 598400 374000 00cation_Type','Out