	AgeWorkclassFnlwgtEducationEducation   Education   numMarital_statusOccupationRelationshipRaceSexCapital_gainCapital_lossHours_per_weekNative_countryIncome50Self-emp-not-inc83311Bachelors13Married-civ-spouseExec-managerialHusbandWhiteMale0013United-States<=50K38Private215646HS-grad9DivorcedHandlers-cleanersNot-in-familyWhiteMale0040United-States<=50K53Private23472111th7Married-civ-spouseHandlers-cleanersHusbandBlackMale0040United-States<=50K
3]:	Private 234721 11th 7 Married-civ-spouse Handlers-cleaners Husband Black Male 0 0 0 40 United-States <=50K  28 Private 338409 Bachelors 13 Married-civ-spouse Prof-specialty Wife Black Female 0 0 0 40 Cuba <=50K  37 Private 284582 Masters 14 Married-civ-spouse Exec-managerial Wife White Female 0 0 0 40 United-States <=50K  Ea. Shape
4]:	ta.info()  ass 'pandas.core.frame.DataFrame'> geIndex: 32560 entries, 0 to 32559 a columns (total 15 columns):
	Column Non-Null Count Dtype
	Marital_status 32560 non-null object Occupation 32560 non-null object Relationship 32560 non-null object Race 32560 non-null object Sex 32560 non-null object Capital_gain 32560 non-null int64 Capital_loss 32560 non-null int64 Hours_per_week 32560 non-null int64
5]:	Native_country 32560 non-null object Income 32560 non-null object pes: int64(6), object(9) ory usage: 3.7+ MB  ta.isnull().sum()
2].	kclass       0         wgt       0         cation       0         cation_num       0         ital_status       0         upation       0         ationship       0         e       0
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6]: '	Workclass Fnlwgt Education Education_num Marital_status Occupation Relationship Race Sex Capital_gain Capital_loss Hours_per_week Natry Income Private 195994 1st-4th 2 Never-married Priv-house-serv Not-in-family White Female 0 0 40 00 00 00 00 00 00 00 00 00 00 00
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:	Private       128567       HS-grad       9       Married-civ-spouse       Craft-repair       Husband       White       Male       0       40       Use         tes       <=50K
.]:	Self-emp-not-inc 282095 Some-college 10 Married-civ-spouse Farming-fishing Husband White Male 0 0 40 tes <=50K 1 gth: 32536, dtype: int64 ta.hist(figsize =(15,15) , color ='b') t.show()
	Age Fnlwgt  16000 14000 12000 100000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 1000
	8000 6000 4000 20 30 40 50 60 70 80 90 0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
	Education_num
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	in         17.000000         1.228500e+04         1.000000         0.000000         1.000000           28.000000         1.178315e+05         9.000000         0.000000         40.000000           37.00000         1.783630e+05         10.00000         0.000000         40.000000           48.00000         2.370545e+05         12.000000         0.000000         45.000000           1.484705e+06         16.00000         99999.000000         4356.000000         99.000000
4]: [ 7]: [	filling ? values
	ta[data =='?'] =np.nan r col in ['Workclass','Occupation','Native_country']:   data[col].fillna(data[col].mode()[0] , inplace =True)
8]:	<pre>col in ['Workclass', 'Occupation', 'Native_country']:    data[col].fillna(data[col].mode()[0] , inplace =True)  s.countplot(data['Income'] , palette ='mako', data =data) t.show()</pre> 5000
	<pre>col in ['Workclass', 'Occupation', 'Native_country']:     data[col].fillna(data[col].mode()[0] , inplace =True)  s.countplot(data['Income'] ,palette ='mako',data =data)     i.show()  5000 -     food -</pre>
)]:	calboxplot(figsize= (8,8), color= 'b')  data[col].fillna(data[col].mode()[0], inplace =True)  s.countplot(data['Income'], palette ='mako', data =data) show()  sound
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