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df['df['df['df.]'df.]'df.] df['df.] df.] df['df.] df.] df.i Loan Gend Marr Depe Educ Self Appl Coap Loan Loan Cred Prop Loan loan Tota	ler 0
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connt	502
prir sns. numb Marr Yes No Name <axe depe<="" numb="" prir="" sns.="" td="" ut[23]:=""><td>Male Gender Int("number of people who take loan as group by maritial status:") Int(off ("Married") value_counts()) onut plot(x* National Counts) No Married Married National Counts () No Married Married National Counts () No Married No Married Int("number of people who take loan as group by dependents:") Int(off ("Dependents") value_counts()) countplot(x* Dependents, data*er, palette = 'Sent') countplot(x* Dependents, data*er, palette = 'Sent') countplot(x* Dependents, data*er, palette = 'Sent') see of people who take loan as group by dependents: int(off ("Dependents, value_counts, data*er, palette = 'Sent') countplot(x* Dependents, data*er, palette = 'Sent') see of people who take loan as group by dependents: interest of people who take loan</td></axe>	Male Gender Int("number of people who take loan as group by maritial status:") Int(off ("Married") value_counts()) onut plot(x* National Counts) No Married Married National Counts () No Married Married National Counts () No Married No Married Int("number of people who take loan as group by dependents:") Int(off ("Dependents") value_counts()) countplot(x* Dependents, data*er, palette = 'Sent') countplot(x* Dependents, data*er, palette = 'Sent') countplot(x* Dependents, data*er, palette = 'Sent') see of people who take loan as group by dependents: int(off ("Dependents, value_counts, data*er, palette = 'Sent') countplot(x* Dependents, data*er, palette = 'Sent') see of people who take loan as group by dependents: interest of people who take loan
ut[27]: <axe< td=""><td>es: count, dtype: int64 ss: xlabel='Dependents', ylabel='count'> 350 250 250 250 250 Dependents Dependents</td></axe<>	es: count, dtype: int64 ss: xlabel='Dependents', ylabel='count'> 350 250 250 250 250 Dependents Dependents
numb Self No Yes Name <axe< td=""><td>nt("number of people who take loan as group by self employed:") nt(df['Self_Employed'].value_counts()) countplot(x='Self_Employed', data=df, palette = 'Set1') er of people who take loan as group by self employed: _Employed 532 82 :: count, dtype: int64 ss: xlabel='Self_Employed', ylabel='count'> 300 - 3</td></axe<>	nt("number of people who take loan as group by self employed:") nt(df['Self_Employed'].value_counts()) countplot(x='Self_Employed', data=df, palette = 'Set1') er of people who take loan as group by self employed: _Employed 532 82 :: count, dtype: int64 ss: xlabel='Self_Employed', ylabel='count'> 300 - 3
n [29]: prir prir sns. numb Loan 146. 120. 110. 100. 160. 240. 214. 59.6 166. 253. Name vt[29]:	No Self_Employed **It(*master of people who take loan as group by Loansmount:**) **It(fiff (Loansmount) value counts() **It(fiff (Loansmount) value value value value value value value value value value value value val
numb Cred 1.0 0.0 Name <axe< td=""><td><pre>tiddf['credit_History'].value_counts()) countplot(x='Credit_History', data=df, palette = 'Seti') er of people who take loan as group by Credit History: iti_History 525 89 :count, dtype: int64 ss: xlabel='Credit_History', ylabel='count'> 100 - 100 -</pre></td></axe<>	<pre>tiddf['credit_History'].value_counts()) countplot(x='Credit_History', data=df, palette = 'Seti') er of people who take loan as group by Credit History: iti_History 525 89 :count, dtype: int64 ss: xlabel='Credit_History', ylabel='count'> 100 - 100 -</pre>
x_tr from Labe 1	<pre>vy[[[1, 1, 0,, 1.8, 4.875197323281151, 267], [[1, 0, 1,, 1.6, 5.273114632328917, 407], [[1, 1, 0,, 1.8, 5.273114632389317, 407], [[1, 1, 0,, 1.8, 5.29313765548935, 363], [[1, 1, 0,, 1.8, 5.29313765548935, 363]], [[1, 1, 0,, 1.8, 5.29313765548935, 363]], [[1, 1, 0,, 1.8, 5.29313765548935, 363]], [[1, 1, 0,, 1.8, 5.29313765548935, 393]], [[1, 1, 0,, 1.8, 5.294096687876795, 391]], [[1, 1, 0,, 1.8, 5.294096687876795, 391]], [[1, 1, 0,, 1.8, 1.8, 1.8, 1.8, 1.8, 1.8, 1.8</pre>
x_teat[34]: Labe y_teat	No.
ss = X_tr x_te x_te n [38]: from rf_c rf_c ut[38]: ▼ Ra Ranc n [39]: from y_pr prir y_pr acc	1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
n [40]: from nb_c nb_c nb_c nb_c nb_c nb_c nb_c nb_c	1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
dt_c dt_c dt_c dt_c dt_c dt_c dt_c dt_c	n sklearn.tree import DecisionTreeClassifier clf = DecisionTreeClassifier() clf.fit(X_train, y_train) ccisionTreeClassifier d.sionTreeClassifier() red = dt_clf.predict(X_test) tt("acc of DT is", metrics.accuracy_score(y_pred, y_test)) of DT is 0.7154471544715447
n [51]: y_pr	<pre>LighborsClassifier()</pre> red = kn_clf.predict(X_test) nt("acc of KN is", metrics.accuracy_score(y_pred, y_test)) of KN is 0.5528455284552846