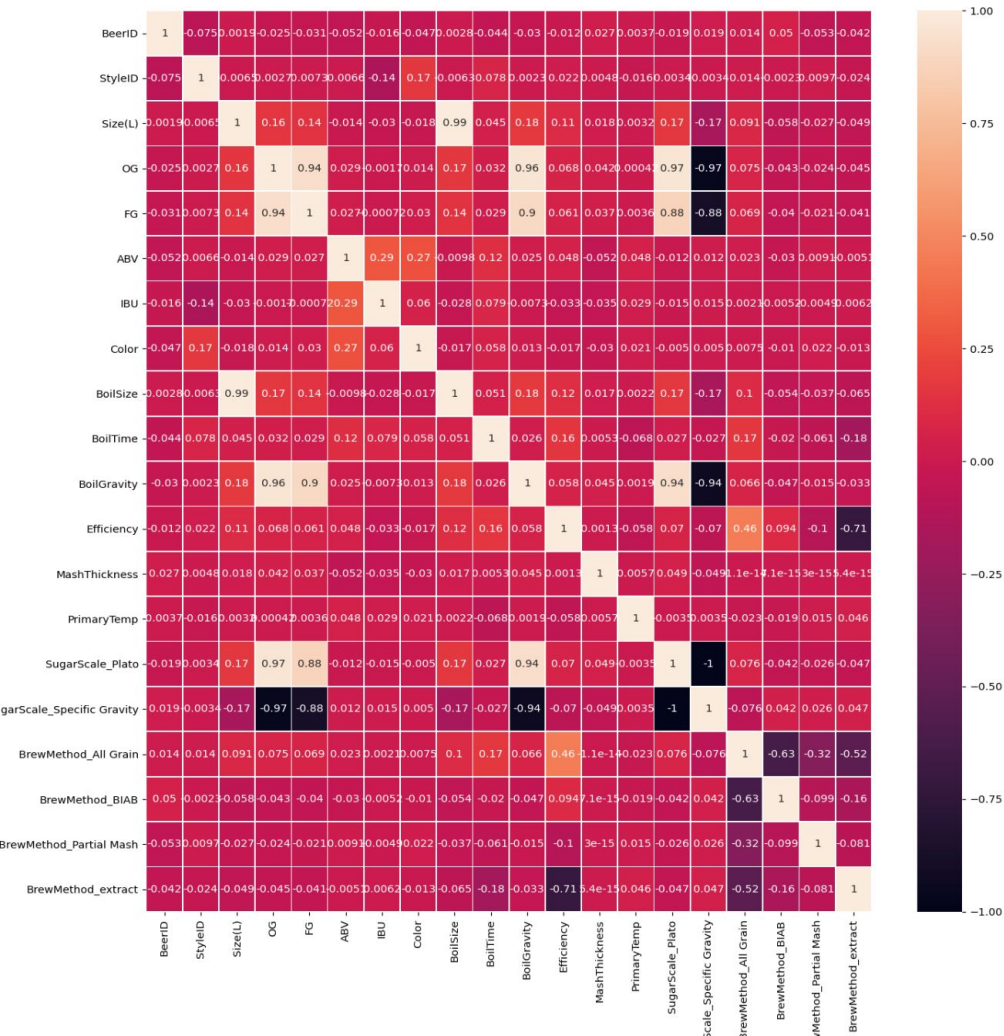


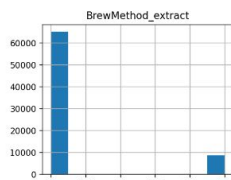
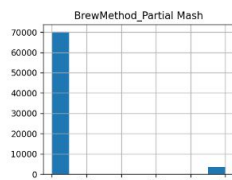
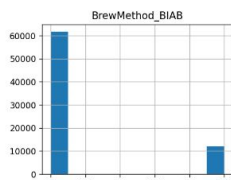
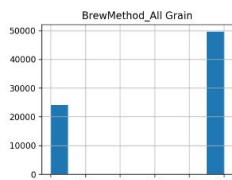
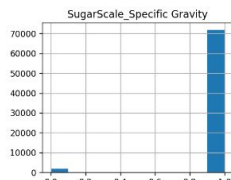
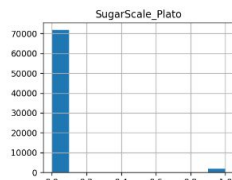
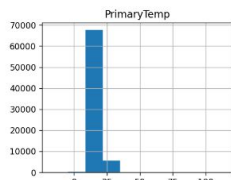
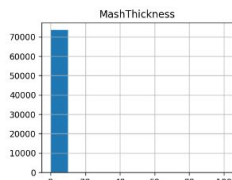
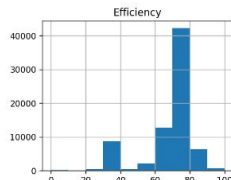
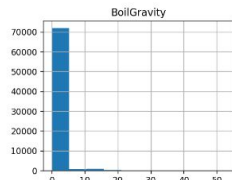
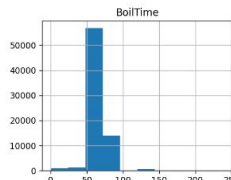
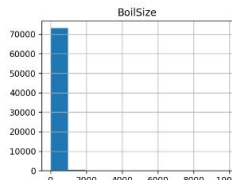
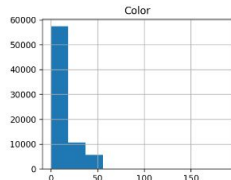
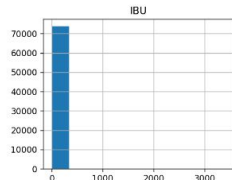
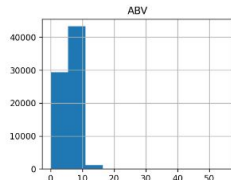
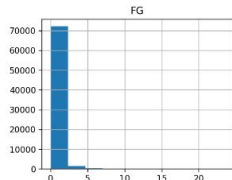
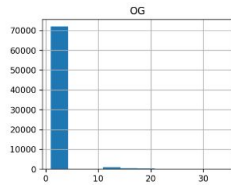
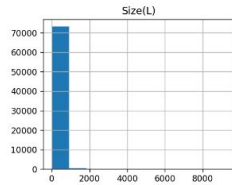
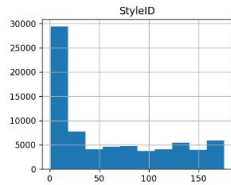
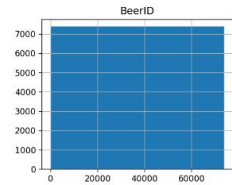
A glass of beer with a thick head of foam on a saucer.

Cas Kaggle Brewer's Friend Beer Recipes

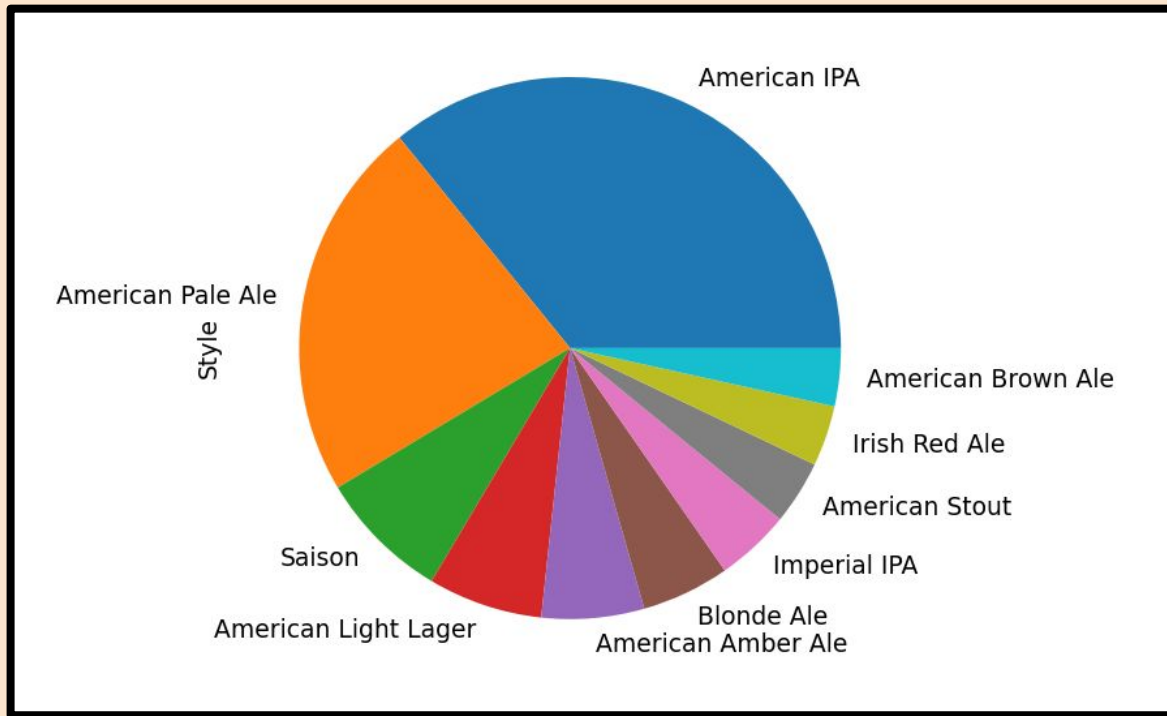
Clara Sorolla Anglès 1569191
Aprenentatge Computacional
MatCAD



EXPLORATORY DATA ANALYSIS



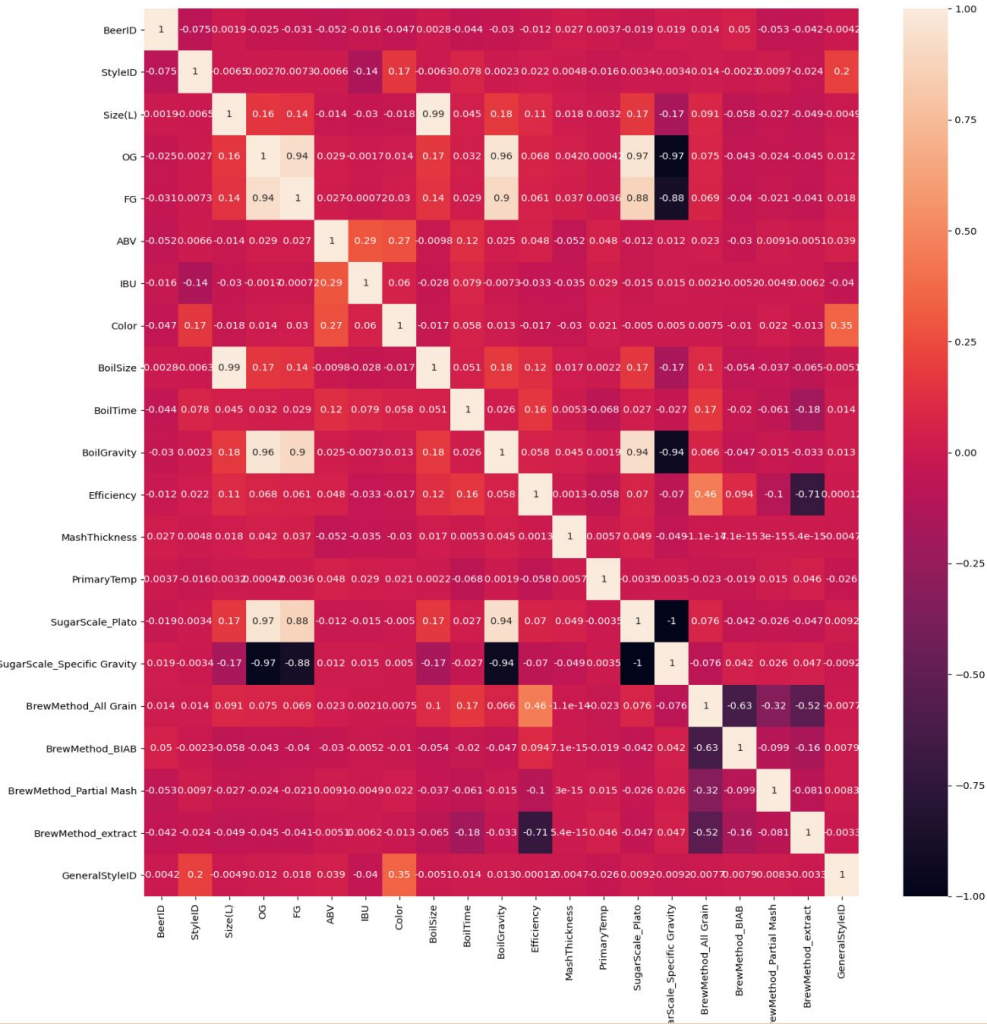
EXPLORATORY DATA ANALYSIS



GENERALSTYLE

- Ale
- IPA
- Pale Ale
- Lager
- Stout
- Bitter
- Cider
- Porter
- Other

PREPROCESSING



PREPROCESSING

Atribut obiectiu: 'Style'

	Original	Escalat
LogisticRegression	0.214175	0.396467
SGDClassifier	0.046233	0.273878
KNeighborsClassifier	0.176741	0.469573
DecisionTreeClassifier	0.470385	0.468964
GaussianNB	0.230217	0.251946
RandomForest	0.541461	0.540378

Atribut obiectiu: 'GeneralStyle'

	Original	Escalat
LogisticRegression	0.558857	0.553916
SGDClassifier	0.339538	0.409734
KNeighborsClassifier	0.449198	0.698166
DecisionTreeClassifier	0.993299	0.992419
GaussianNB	0.376701	0.378055
RandomForest	0.896703	0.880661

MODEL SELECTION

Logistic Regression

	Original	Escalat
C	2.195254	2.179533
penalty	l1	l1

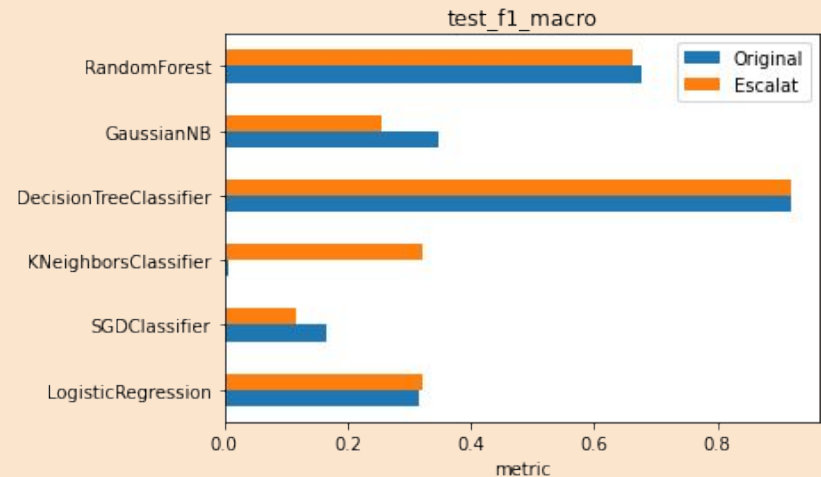
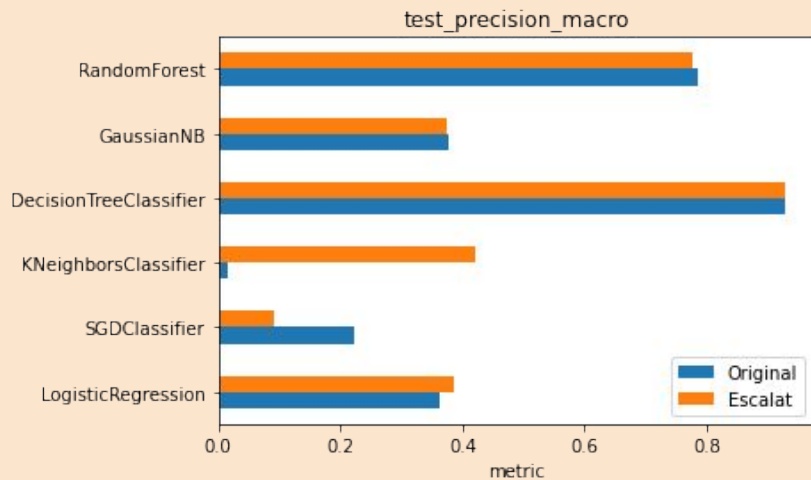
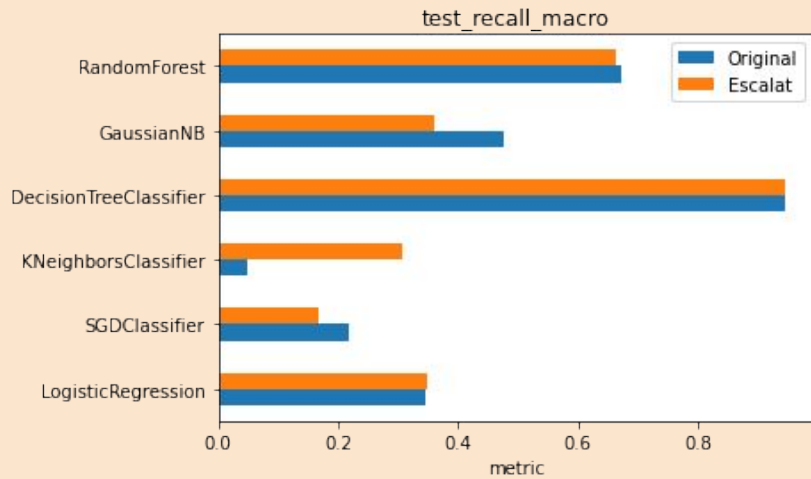
Decision Tree Classifier

	Original	Escalat
criterion	entropy	entropy

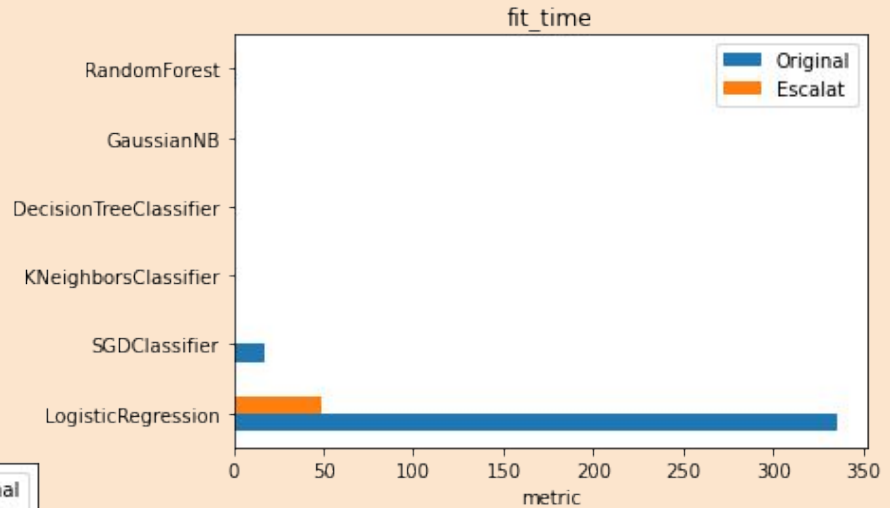
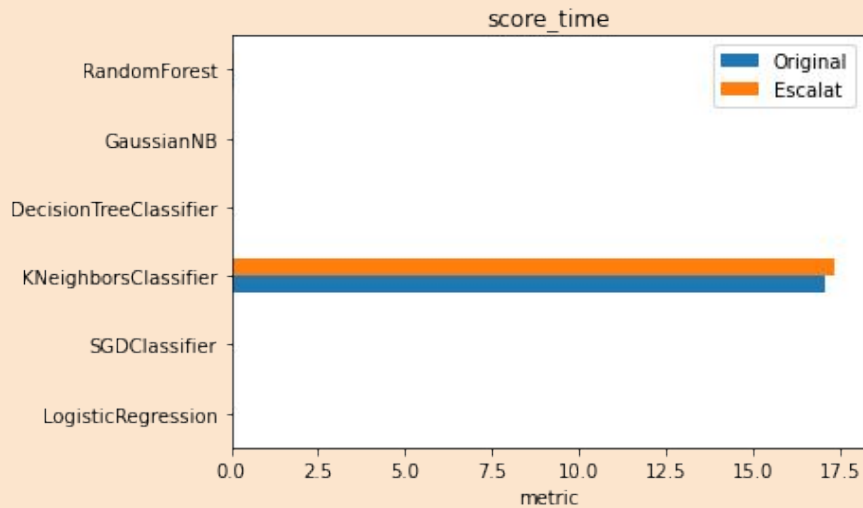
Random Forest Classifier

	Original	Escalat
n_estimators	100	50
min_samples_leaf	1	2

HYPER PARAMETER SEARCH

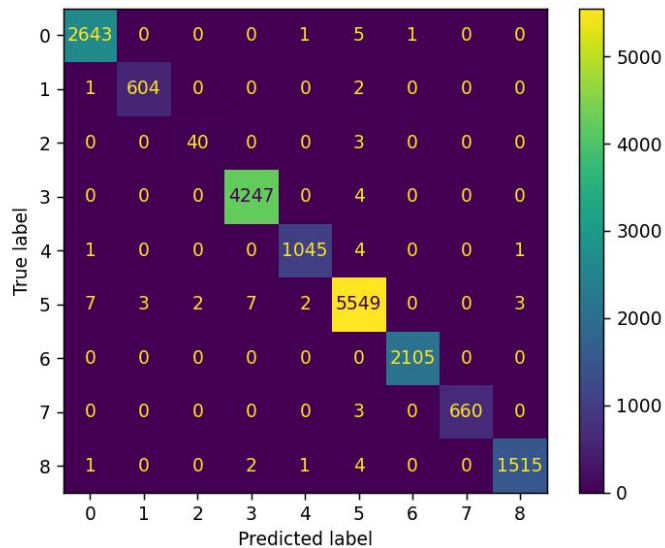


CROSS-VALIDATION

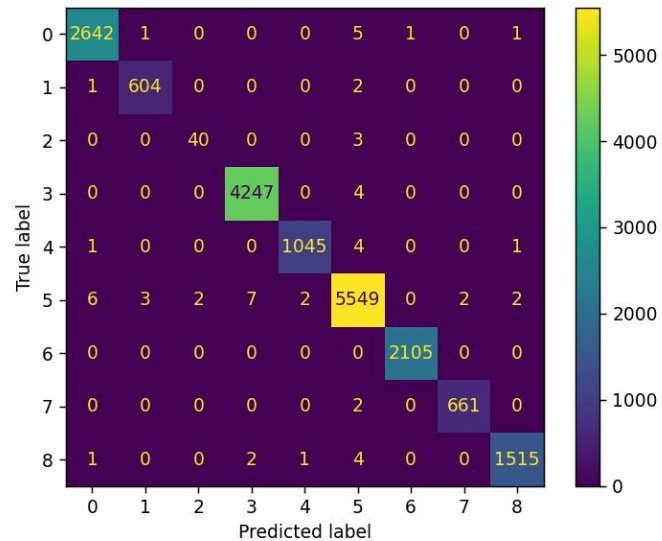


CROSS-VALIDATION

Dataset original



Dataset escalat



CROSS-VALIDATION

