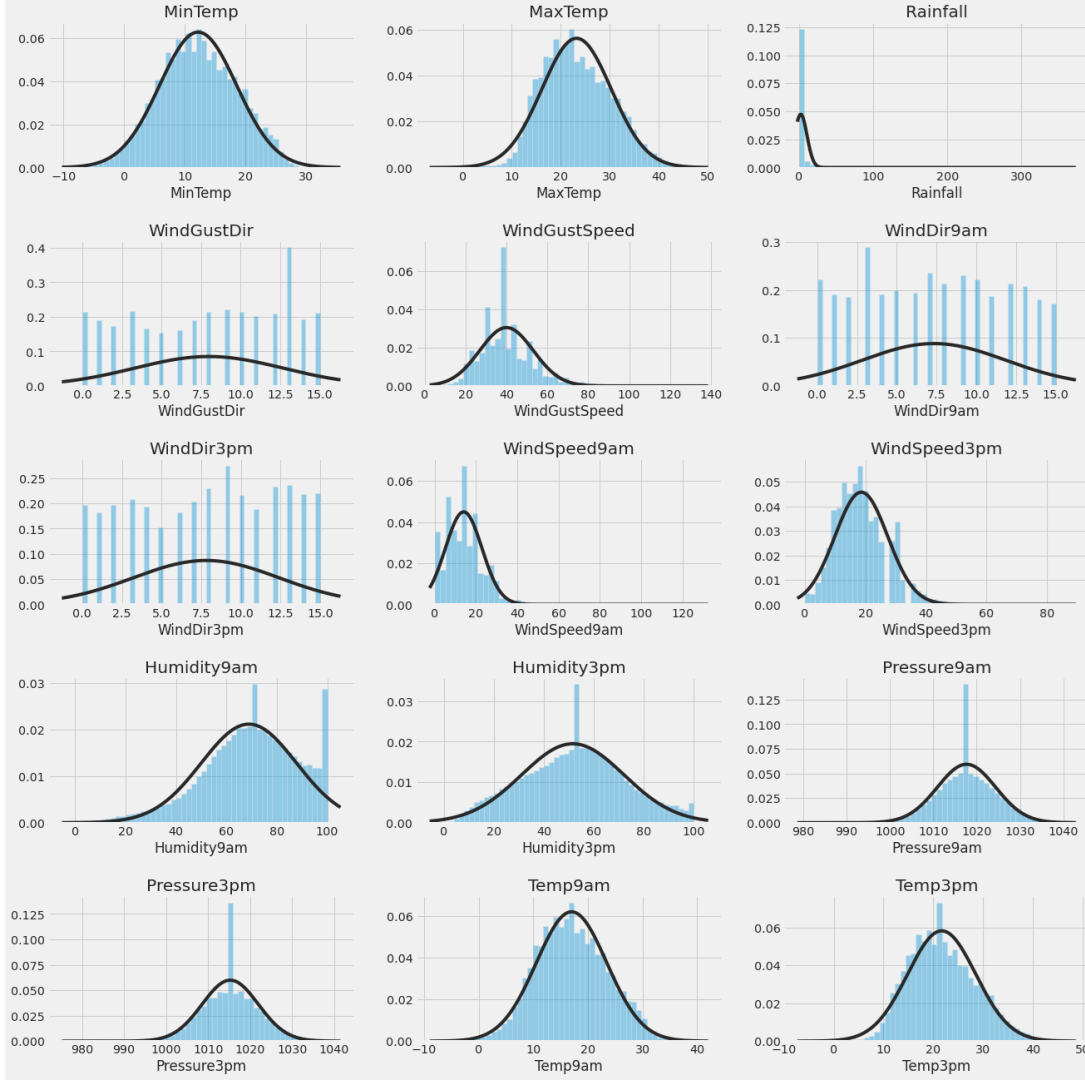


RAIN PREDICTION IN AUSTRALIA

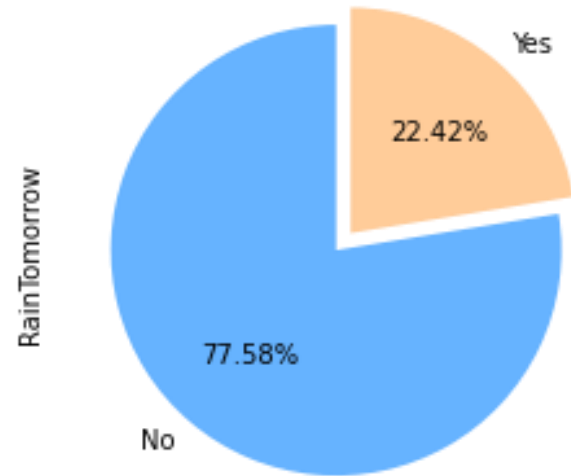
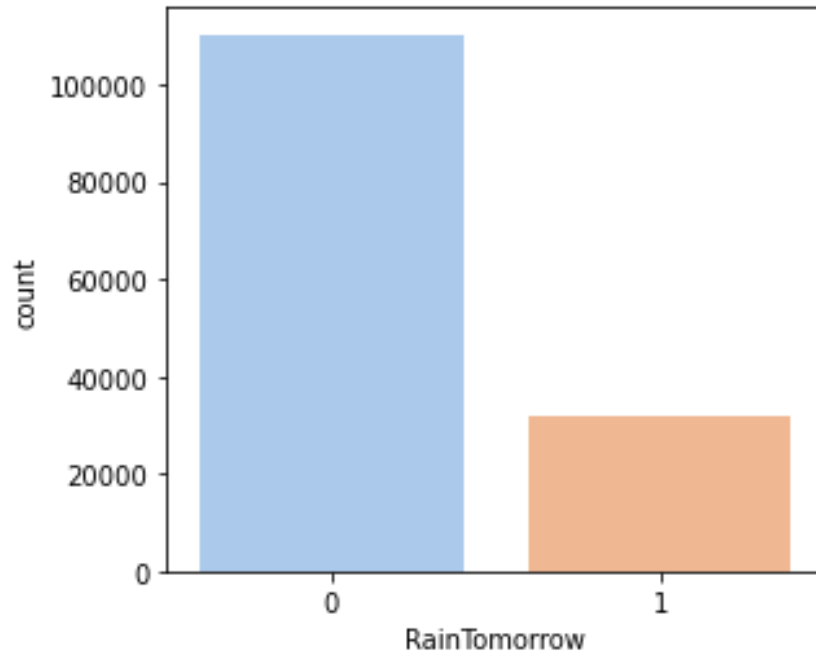


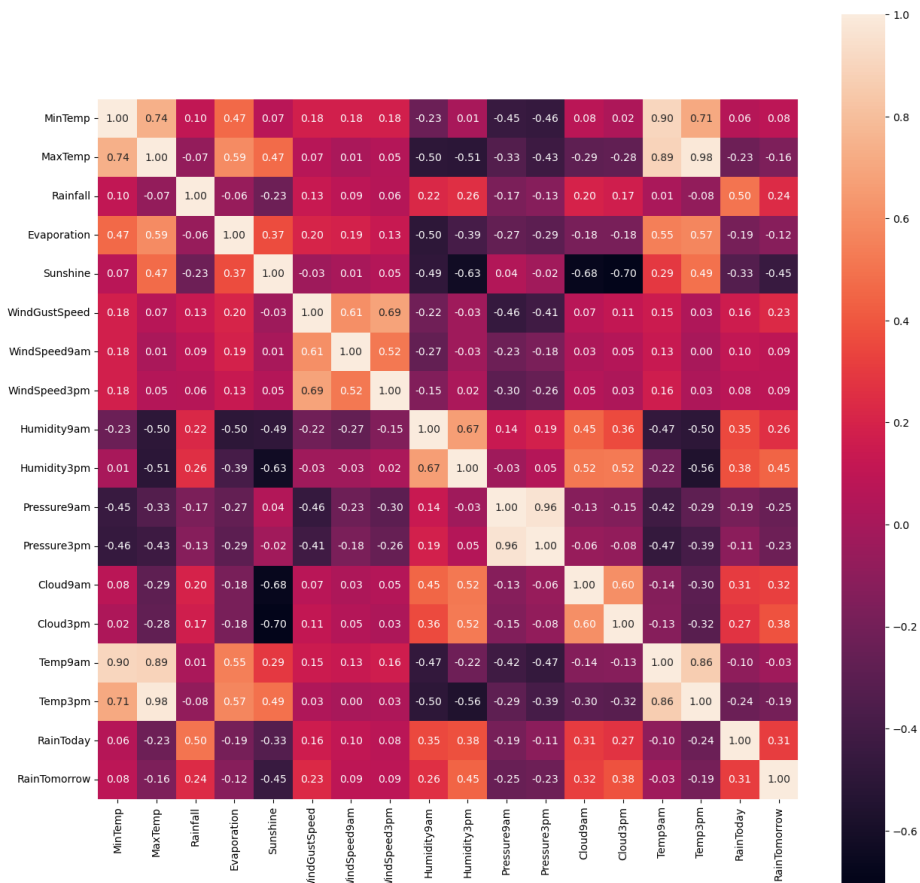
Hernández Garrido, Víctor
1597028
Aprentage Computacional

Base de dades



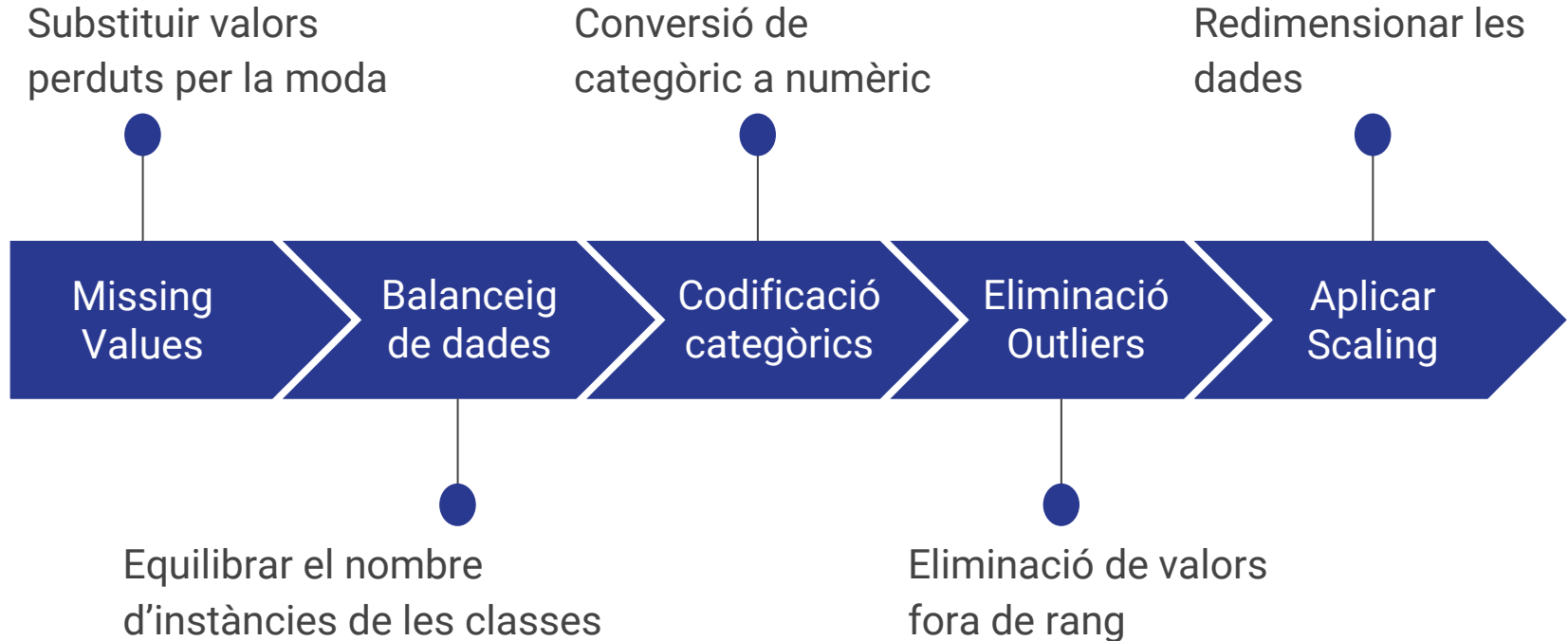
Atribut Objectiu





Matriu de confusió

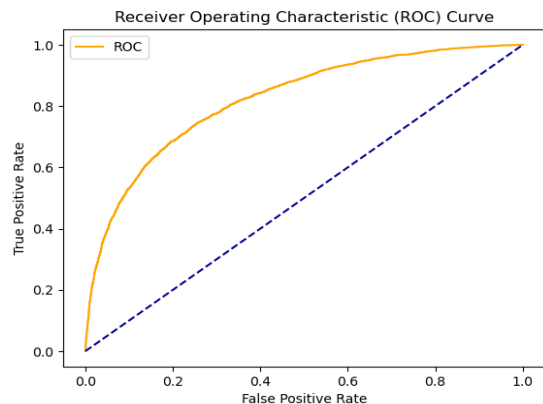
Preprocessament de les dades



Selecció de models

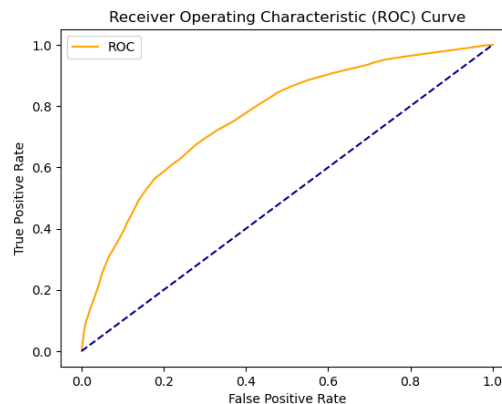
Logistic Regression

	precision	recall	f1-score	support
0.0	0.74657	0.78987	0.76761	10327
1.0	0.74374	0.69461	0.71833	9067
accuracy			0.74533	19394
macro avg	0.74515	0.74224	0.74297	19394
weighted avg	0.74525	0.74533	0.74457	19394



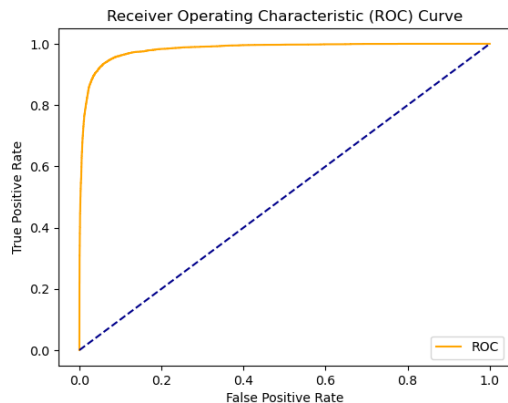
Decision Tree

	precision	recall	f1-score	support
0.0	0.69726	0.76808	0.73096	10327
1.0	0.70130	0.62016	0.65824	9067
accuracy			0.69893	19394
macro avg	0.69928	0.69412	0.69460	19394
weighted avg	0.69915	0.69893	0.69696	19394



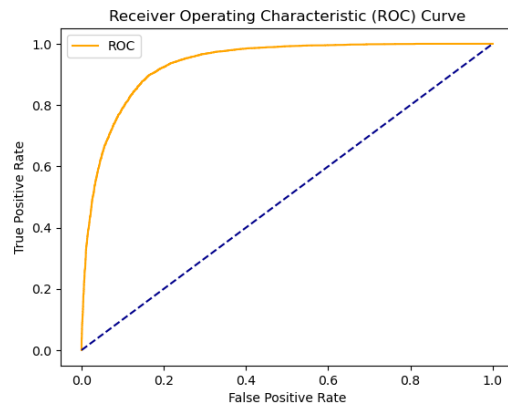
Random Forest

	precision	recall	f1-score	support
0.0	0.95567	0.92060	0.93781	10327
1.0	0.91319	0.95136	0.93189	9067
accuracy			0.93498	19394
macro avg	0.93443	0.93598	0.93485	19394
weighted avg	0.93581	0.93498	0.93504	19394



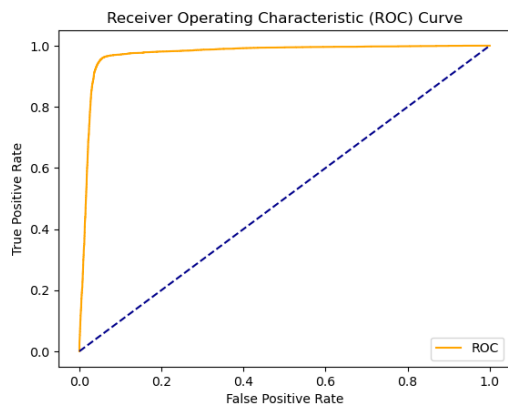
Light GBM

	precision	recall	f1-score	support
0.0	0.88854	0.85146	0.86960	10327
1.0	0.83849	0.87835	0.85796	9067
accuracy			0.86403	19394
macro avg	0.86352	0.86490	0.86378	19394
weighted avg	0.86514	0.86403	0.86416	19394



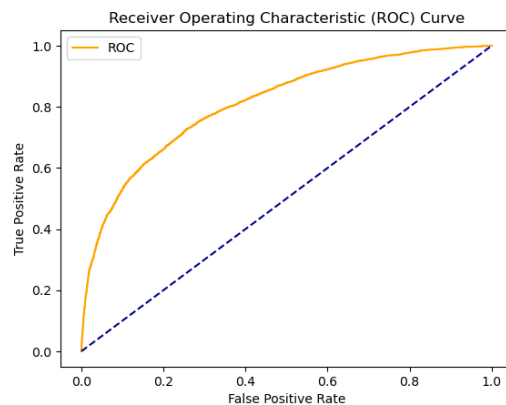
XG Boost

	precision	recall	f1-score	support
0.0	0.97335	0.89465	0.93234	10327
1.0	0.89012	0.97210	0.92931	9067
accuracy			0.93085	19394
macro avg	0.93173	0.93337	0.93082	19394
weighted avg	0.93444	0.93085	0.93092	19394



Neural Network

	precision	recall	f1-score	support
0.0	0.75712	0.73652	0.74667	10327
1.0	0.70892	0.73089	0.71974	9067
accuracy			0.73389	19394
macro avg	0.73302	0.73370	0.73321	19394
weighted avg	0.73459	0.73389	0.73408	19394



Conclusions

