

6 PCs

Logistic Regression

	precision	recall	f1-score	support
<=50K	0.84	0.92	0.88	4953
>50K	0.65	0.46	0.54	1560
accuracy			0.81	6513
macro avg	0.75	0.69	0.71	6513
weighted avg	0.80	0.81	0.80	6513

[[4574 379]
[846 714]]

Optimizado con Grid Search:

	precision	recall	f1-score	support
<=50K	0.83	0.91	0.87	4962
>50K	0.60	0.41	0.48	1551
accuracy			0.79	6513
macro avg	0.71	0.66	0.68	6513
weighted avg	0.78	0.79	0.78	6513

[[4535 427]
[921 630]]

DecissionTree - max_depth=5

	precision	recall	f1-score	support
<=50K	0.84	0.93	0.89	4925
>50K	0.69	0.46	0.55	1588
accuracy			0.82	6513
macro avg	0.76	0.69	0.72	6513
weighted avg	0.80	0.82	0.80	6513

[[4595 330]
[863 725]]

DecisionTree - max_depth=7 (optimized with GridSearchCV)

	precision	recall	f1-score	support
<=50K	0.87	0.84	0.85	4902
>50K	0.55	0.60	0.57	1611
accuracy			0.78	6513
macro avg	0.71	0.72	0.71	6513
weighted avg	0.79	0.78	0.78	6513

[[4102 800]
[639 972]]

KNeighborsClassifier(3)

	precision	recall	f1-score	support
<=50K	0.86	0.88	0.87	4920
>50K	0.61	0.56	0.58	1593
accuracy			0.80	6513
macro avg	0.73	0.72	0.73	6513
weighted avg	0.80	0.80	0.80	6513

[[4340 580]
[701 892]]

classifier=GaussianNB()

	precision	recall	f1-score	support
<=50K	0.87	0.84	0.85	4902
>50K	0.55	0.60	0.57	1611
accuracy			0.78	6513
macro avg	0.71	0.72	0.71	6513
weighted avg	0.79	0.78	0.78	6513

[[4102 800]
[639 972]]

classifier=SVC()

	precision	recall	f1-score	support
<=50K	0.86	0.93	0.89	4957
>50K	0.70	0.50	0.58	1556
accuracy			0.83	6513
macro avg	0.78	0.71	0.74	6513
weighted avg	0.82	0.83	0.82	6513

[[4621 336]
[783 773]]