



min samples split=20,

max_features=None, max_leaf_nodes=None,

min_samples_leaf=1, min_samples_split=20,
min weight fraction leaf=0.0, presort=False

min_impurity_decrease=0.0, min_impurity_split=None,

random state=1)

random_state=1, splitter='best')

Out[148]: DecisionTreeClassifier(class_weight=None, criterion='gini', max_depth=4,

tree.fit(train[predictors], train[target])

preds = tree.predict(test[predictors])

Predictions Aprobado No Aprobado

466

In [152]: # Datos actual del datset vs prediccion del modelo

170

#Modelado

#predecir del 25%

Actual

Aprobado

In [149]:

Out[152]:

	<pre>dot_data = export_graphviz(tree,out_file=None,</pre>
	filled=True, rounded=True,
	class names=["No Aprobado",
	"Aprobado"],
	<pre>feature_names=predictors)</pre>
	graph = graph from dot data(dot data)
	<pre>graph.write png("tree.png")</pre>
	<pre>Image(graph.create_png())</pre>
Out[153]:	punt_ingles <= 50.5
	True purt_quimics = 47.5 purt_quimics = 47.5 purt_quimics = 47.5 purt_quimics = 41.7 purt_quimics = 21.47 purt_quimics = 21.47 purt_quimics = 51.5 purt_quimics = 47.5 purt_quimics = 47.5
	punt_clencias_sociales == 48.5