TA7 - Enzo Cozza - Agustín Fernández

Ejercicio 1

```
In [20]: y_pred = lda.predict(test_X)
         print("Predicted vs Excpected")
         print(y_pred)
         print(test_y)

         Predicted vs Excpected
         [1 0 1 0 1]
         [1 0 1 0 1]
```

```
In [21]: print(classification_report(test_y, y_pred, digits=3))
```

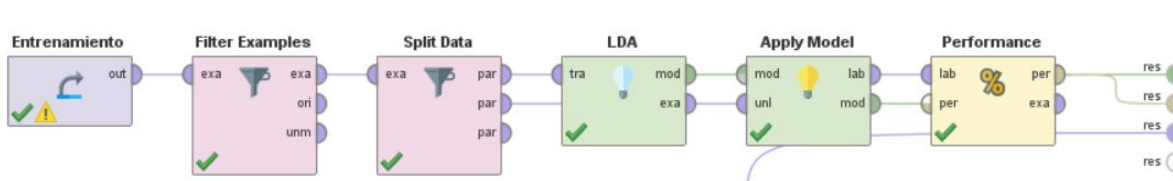|	precision	recall	f1-score	support
0	1.000	1.000	1.000	2
1	1.000	1.000	1.000	3
avg / total	1.000	1.000	1.000	5

```
In [22]: print(confusion_matrix(test_y, y_pred))

         [[2 0]
          [0 3]]
```

Ejercicio 2

accuracy: 37.93%

	true Futbol	true Rugby	true Voleibol	true Basketball	class precision
pred. Futbol	28	15	20	10	38.36%
pred. Rugby	9	16	5	8	42.11%
pred. Voleibol	7	2	6	7	27.27%
pred. Basketball	3	2	2	5	41.67%
class recall	59.57%	45.71%	18.18%	16.67%	

```
In [49]: print(classification_report(test_y, y_pred, digits=3))
```

	precision	recall	f1-score	support
Basketball	0.214	0.176	0.194	17
Futbol	0.441	0.619	0.515	42
Rugby	0.469	0.366	0.411	41
Voleibol	0.474	0.375	0.419	24
avg / total	0.425	0.427	0.418	124