

TA7 - Enzo Cozza - Agustín Fernández

Ejercicio 1

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

```
Predicted vs Expected
[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

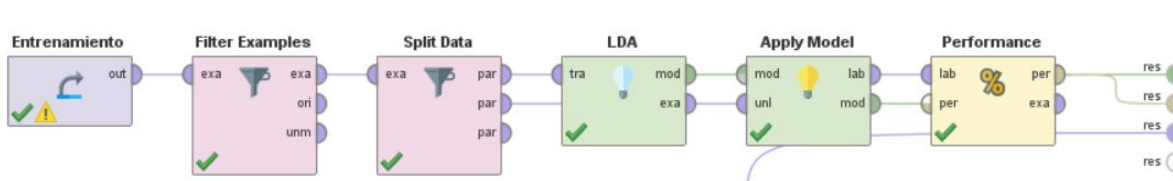
     0         1.000      1.000      1.000         2
     1         1.000      1.000      1.000         3

 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
```