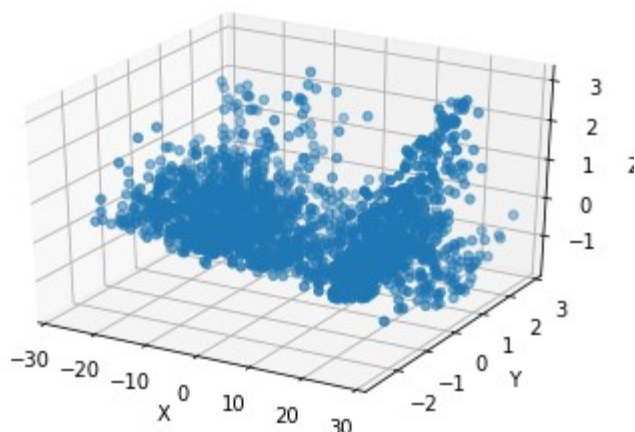


Python 3.7.7 (default, May 6 2020, 11:45:54) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.13.0 -- An enhanced Interactive Python.

```
In [1]: 'C:/Users/alvar/OneDrive/Escritorio/2do cuatrimestre/AA/práctica 3/
communities.py' = 'C:/Users/alvar/OneDrive/Escritorio/2do cuatrimestre/AA/práctica
3'
```



--- Pulsar tecla para continuar ---

Fitting 5 folds for each of 26 candidates, totalling 130 fits
[Parallel(n_jobs=-1)]: Using backend LokyBackend with 8 concurrent workers.
[Parallel(n_jobs=-1)]: Done 34 tasks | elapsed: 7.9s
[Parallel(n_jobs=-1)]: Done 130 out of 130 | elapsed: 46.6s finished
CON PREPROCESADO:

He estudiado estos modelos a los que asigno un índice:

	params	param_poly__degree
0	{'estimator': SGDRegressor(alpha=0.0001, avera...	1
1	{'estimator': SGDRegressor(alpha=0.0001, avera...	2
2	{'estimator': SGDRegressor(alpha=0.0001, avera...	1
3	{'estimator': SGDRegressor(alpha=0.0001, avera...	2
4	{'estimator': SGDRegressor(alpha=0.0001, avera...	1
5	{'estimator': SGDRegressor(alpha=0.0001, avera...	2
6	{'estimator': SGDRegressor(alpha=0.0001, avera...	1
7	{'estimator': SGDRegressor(alpha=0.0001, avera...	2
8	{'estimator': SGDRegressor(alpha=0.0001, avera...	1
9	{'estimator': SGDRegressor(alpha=0.0001, avera...	2
10	{'estimator': SGDRegressor(alpha=0.0001, avera...	1
11	{'estimator': SGDRegressor(alpha=0.0001, avera...	2
12	{'estimator': LinearRegression(copy_X=True, fi...	1
13	{'estimator': LinearRegression(copy_X=True, fi...	2
14	{'estimator': Ridge(alpha=10000.0, copy_X=True...	1
15	{'estimator': Ridge(alpha=10000.0, copy_X=True...	2
16	{'estimator': Ridge(alpha=10000.0, copy_X=True...	1
17	{'estimator': Ridge(alpha=10000.0, copy_X=True...	2
18	{'estimator': Ridge(alpha=10000.0, copy_X=True...	1
19	{'estimator': Ridge(alpha=10000.0, copy_X=True...	2
20	{'estimator': Lasso(alpha=1.0, copy_X=True, fi...	1
21	{'estimator': Lasso(alpha=1.0, copy_X=True, fi...	2
22	{'estimator': Lasso(alpha=1.0, copy_X=True, fi...	1
23	{'estimator': Lasso(alpha=1.0, copy_X=True, fi...	2
24	{'estimator': Lasso(alpha=1.0, copy_X=True, fi...	1

```
25 {'estimator': Lasso(alpha=1.0, copy_X=True, fi...
```

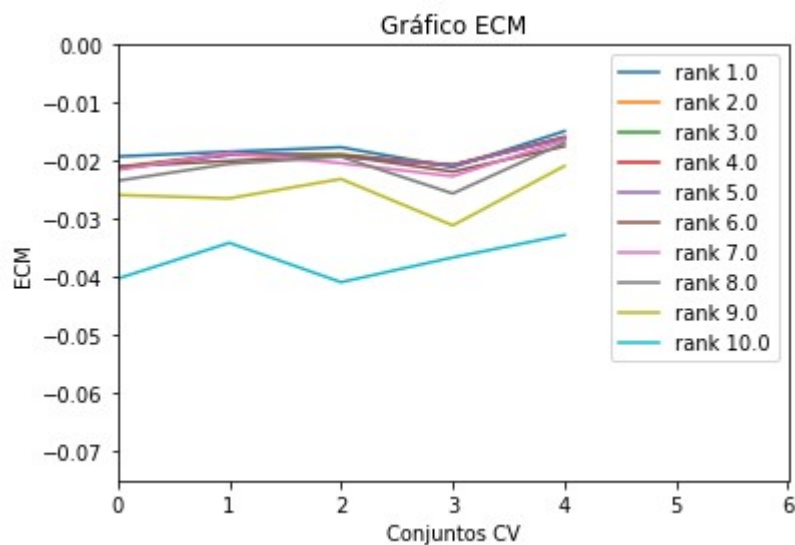
2

--- Pulsar tecla para continuar ---

Resultados:

	rank_test_score	mean_fit_time	mean_test_score
0	7	0.059642	-1.991183e-02
1	26	5.633138	-4.394008e+24
2	6	0.063429	-1.985866e-02
3	25	2.212485	-1.812590e+24
4	17	0.039294	-5.390051e-02
5	19	1.223129	-5.394203e-02
6	8	0.042084	-2.112625e-02
7	24	2.575714	-1.806207e+24
8	16	0.060640	-5.388674e-02
9	18	1.348798	-5.392042e-02
10	11	0.049865	-5.254287e-02
11	23	2.630373	-2.311991e+18
12	5	0.071612	-1.923194e-02
13	22	10.549404	-7.119231e-02
14	4	0.084978	-1.923192e-02
15	21	2.836411	-7.118933e-02
16	3	0.109903	-1.912210e-02
17	20	2.613811	-5.437140e-02
18	9	0.094947	-2.546633e-02
19	1	2.177779	-1.823903e-02
20	2	0.373000	-1.902407e-02
21	10	22.232722	-3.691741e-02
22	12	0.083379	-5.388487e-02
23	12	1.855838	-5.388487e-02
24	12	0.082177	-5.388487e-02
25	12	1.819735	-5.388487e-02

--- Pulsar tecla para continuar ---



--- Pulsar tecla para continuar ---

Mejor modelo:

```
{'estimator': Ridge(alpha=10000.0, copy_X=True, fit_intercept=True, max_iter=None,
```

```
        normalize=False, random_state=None, solver='auto', tol=0.001), 'estimator__alpha':  
10000.0, 'poly__degree': 2}  
Error en training: 1.5851869296340082  
Error en test: 1.7108687215650589
```

In [2]: