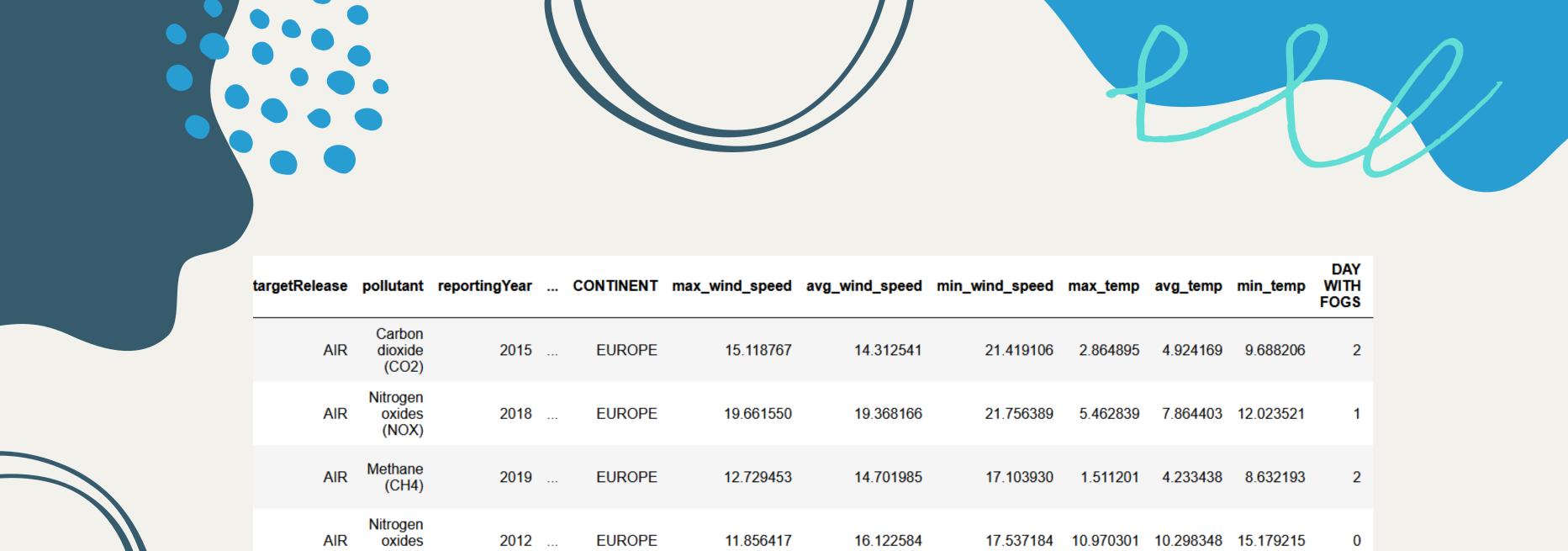






	Unnamed: 0	countryName	eprtrSectorName	EPRTRAnnexlMainActivityLabel	FacilityInspireID	facilityName	City
0	0	Germany	Mineral industry	Installations for the production of cement cli	https://registry.gdi-de.org/id/de.ni.mu /062217	Holcim (Deutschland) GmbH Werk Höver	Sehnde
1	1	Italy	Mineral industry	Installations for the production of cement cli	IT.CAED/240602021.FACILITY	Stabilimento di Tavernola Bergamasca	TAVERNOLA BERGAMASCA
2	2	Spain	Waste and wastewater management	Landfills (excluding landfills of inert waste	ES.CAED/001966000.FACILITY	COMPLEJO MEDIOAMBIENTAL DE ZURITA	PUERTO DEL ROSARIO
3	3	Czechia	Energy sector	Thermal power stations and other combustion in	CZ.MZP.U422/CZ34736841.FACILITY	Elektrárny Prunéřov	Kadaň
4	4	Finland	Waste and wastewater management	Urban waste-water treatment plants	http://paikkatiedot.fi/so/1002031 /pf/Productio	TAMPEREEN VESI LIIKELAITOS, VIINIKANLAHDEN JÄT	Tampere

5 rows × 22 columns



11.856417

17.111930

16.122584

20.201604

17.537184 10.970301 10.298348 15.179215

21.536012 11.772039 11.344078 16.039004

0

2

AIR

AIR

(NOX)

Methane (CH4)

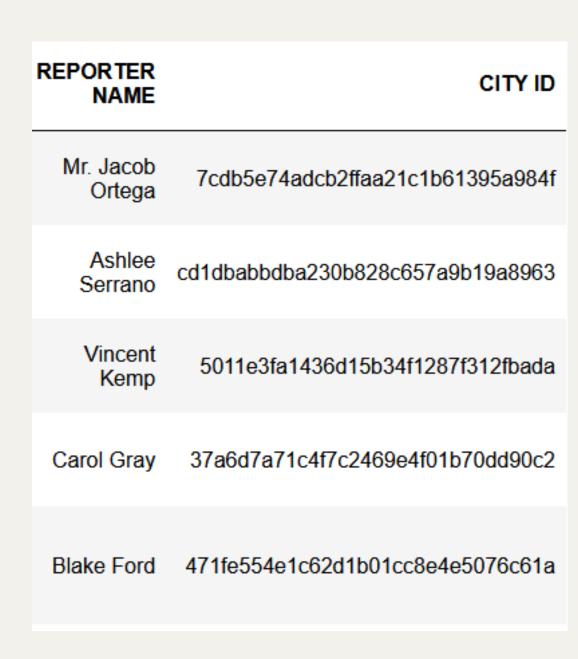
2012 ...

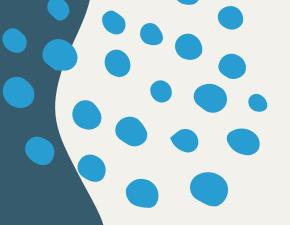
2018 ...

EUROPE

EUROPE







df.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 20127 entries, 0 to 20126
Data columns (total 22 columns):

Data	columns (total 22 columns):		
#	Column	Non-Null Count	Dtype
0	Unnamed: 0	20127 non-null	int64
1	countryName	20127 non-null	object
2	eprtrSectorName	20127 non-null	object
3	EPRTRAnnexIMainActivityLabel	20127 non-null	object
4	FacilityInspireID	20127 non-null	object
5	facilityName	20127 non-null	object
6	City	20127 non-null	object
7	targetRelease	20127 non-null	object
8	pollutant	20127 non-null	object
9	reportingYear	20127 non-null	int64
10	MONTH	20127 non-null	int64
11	DAY	20127 non-null	int64
12	CONTINENT	20127 non-null	object
13	max_wind_speed	20127 non-null	float64
14	avg_wind_speed	20127 non-null	float64
15	min_wind_speed	20127 non-null	float64
16	max_temp	20127 non-null	float64
17	avg_temp	20127 non-null	float64
18	min_temp	20127 non-null	float64
19	DAY WITH FOGS	20127 non-null	int64
20	REPORTER NAME	20127 non-null	object
21	CITY ID	20127 non-null	object
dtyp	es: float64(6), int64(5), obje	ct(11)	-

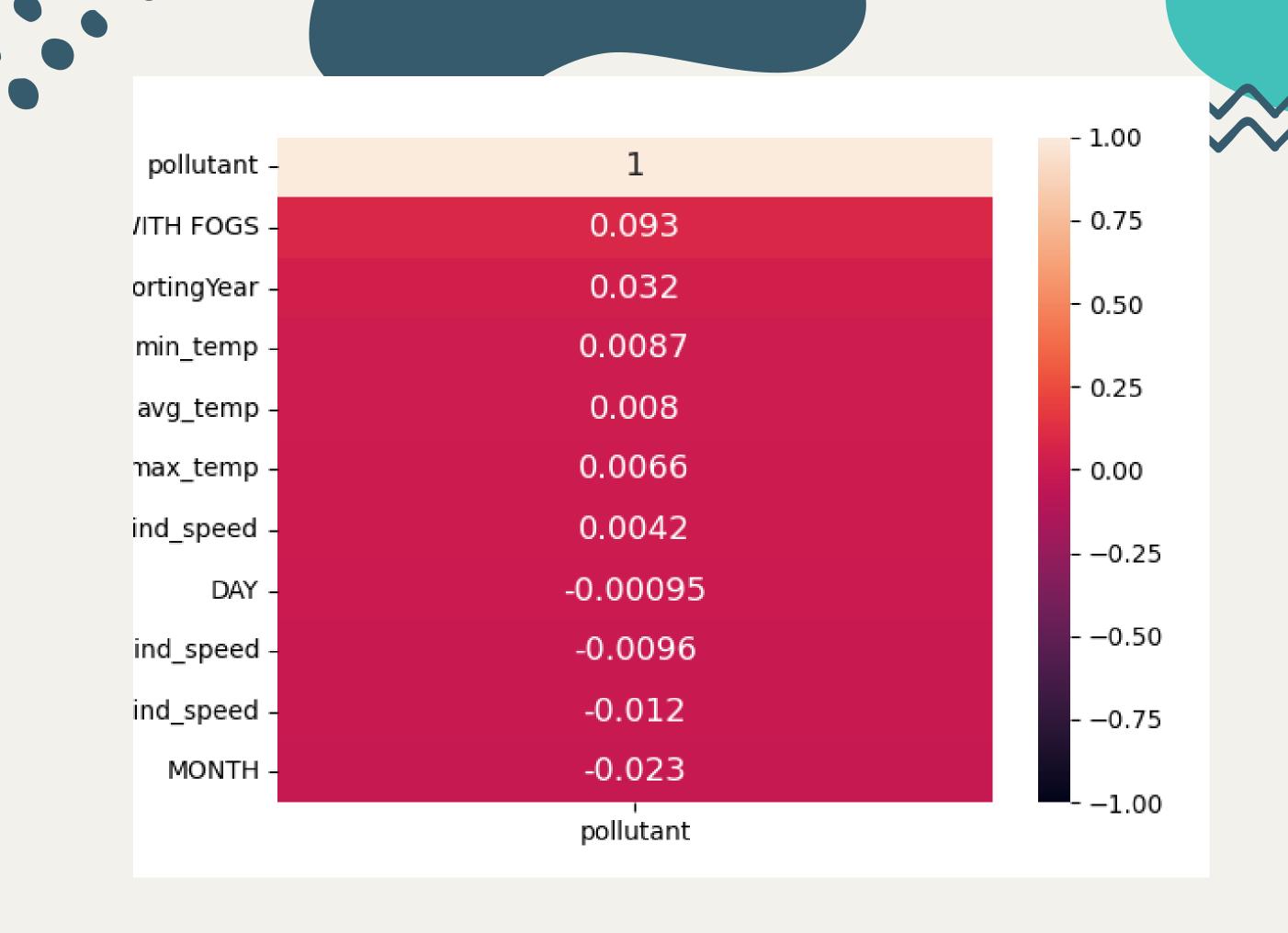
Limpieza de datos:

Eliminar columnas:

- Unnamed: 0
- TargetRelease
- Continent

Codificar target: 0,1,2



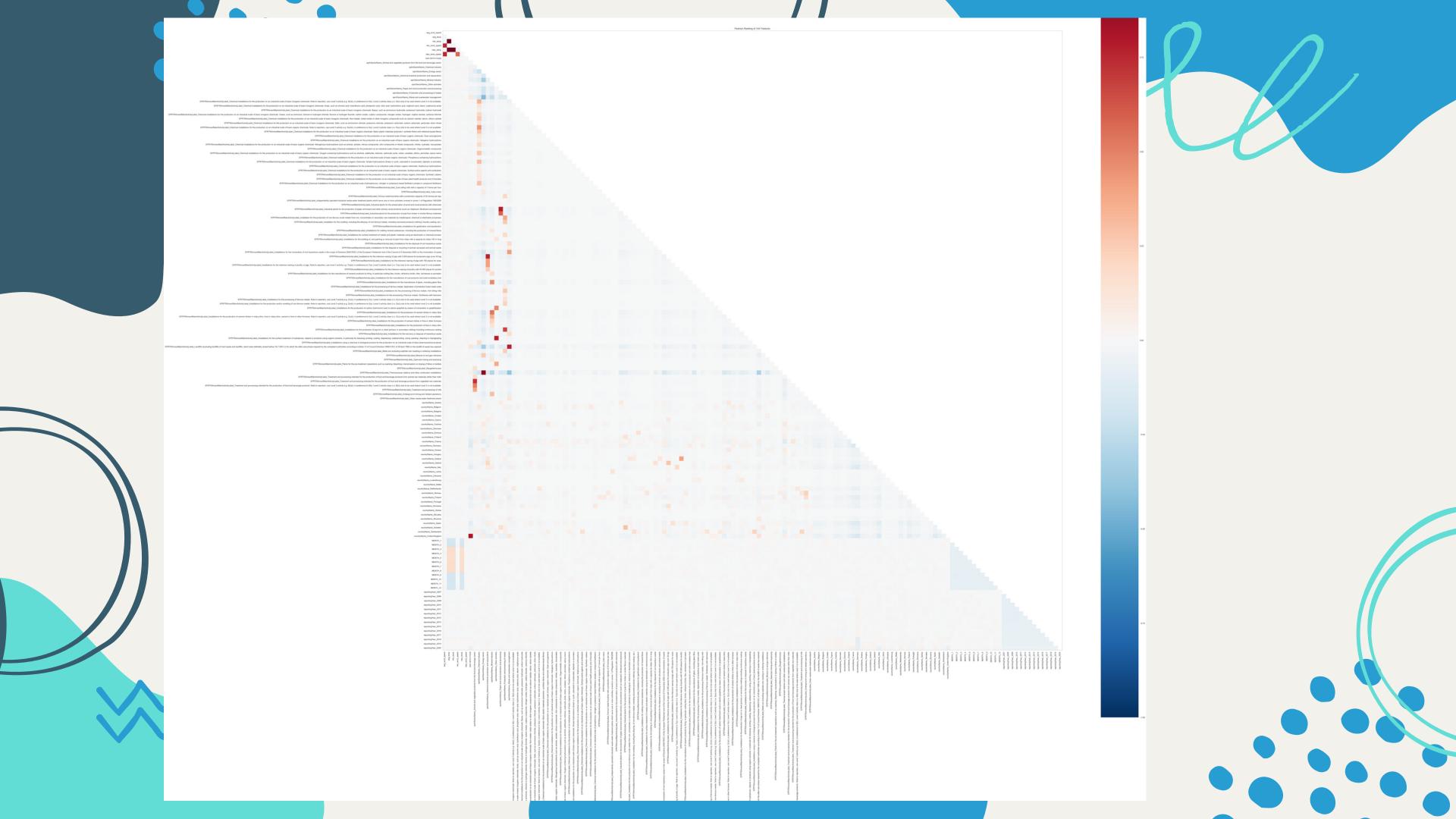




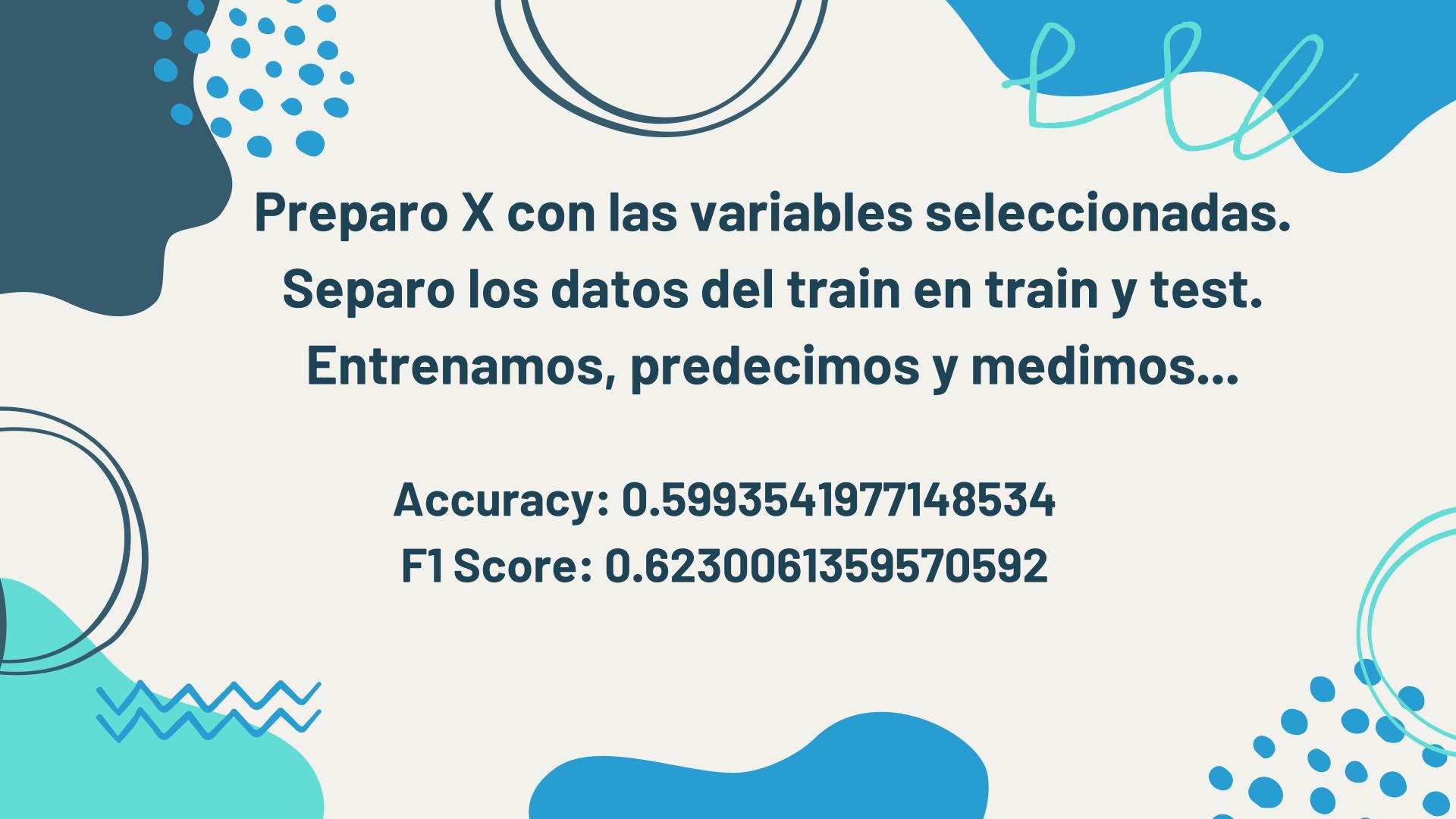


pollutant -	- 1	0.032	-0.023	-0.00095	0.0042	-0.0096	-0.012	0.0066	0.008	0.0087	0.093
reportingYear -	0.032	1	0.0017	-0.014	0.011	0.0066	0.0076	0.0068	0.0072	0.0069	-0.017
MONTH -	-0.023	0.0017	1	0.013	-0.0064	-0.0074	-0.0094	-0.16	-0.16	-0.16	-0.011
DAY -	-0.00095	-0.014	0.013	1	-0.018	-0.017	-0.0078	-0.0024	-0.0037	-0.0029	-0.0021
max_wind_speed -	0.0042	0.011	-0.0064	-0.018	1	0.75	0.57	-0.0071	-0.0057	-0.0069	-0.0052
avg_wind_speed -	-0.0096	0.0066	-0.0074	-0.017	0.75	1	0.75	-0.014	-0.014	-0.015	-0.0051
min_wind_speed -	-0.012	0.0076	-0.0094	-0.0078	0.57	0.75	1	-0.0099	-0.01	-0.011	-0.0071
max_temp -	0.0066	0.0068	-0.16	-0.0024	-0.0071	-0.014	-0.0099	1	0.98	0.95	0.006
avg_temp -	0.008	0.0072	-0.16	-0.0037	-0.0057	-0.014	-0.01	0.98	1	0.98	0.0078
min_temp -	0.0087	0.0069	-0.16	-0.0029	-0.0069	-0.015	-0.011	0.95	0.98	1	0.0086
DAY WITH FOGS -	0.093	-0.017	-0.011	-0.0021	-0.0052	-0.0051	-0.0071	0.006	0.0078	0.0086	1
	lutant -	յցYear -	- HINOI	DAY -	- pəəds	- pəəds	- peeds	temp -	temp -	temp -	F0GS -









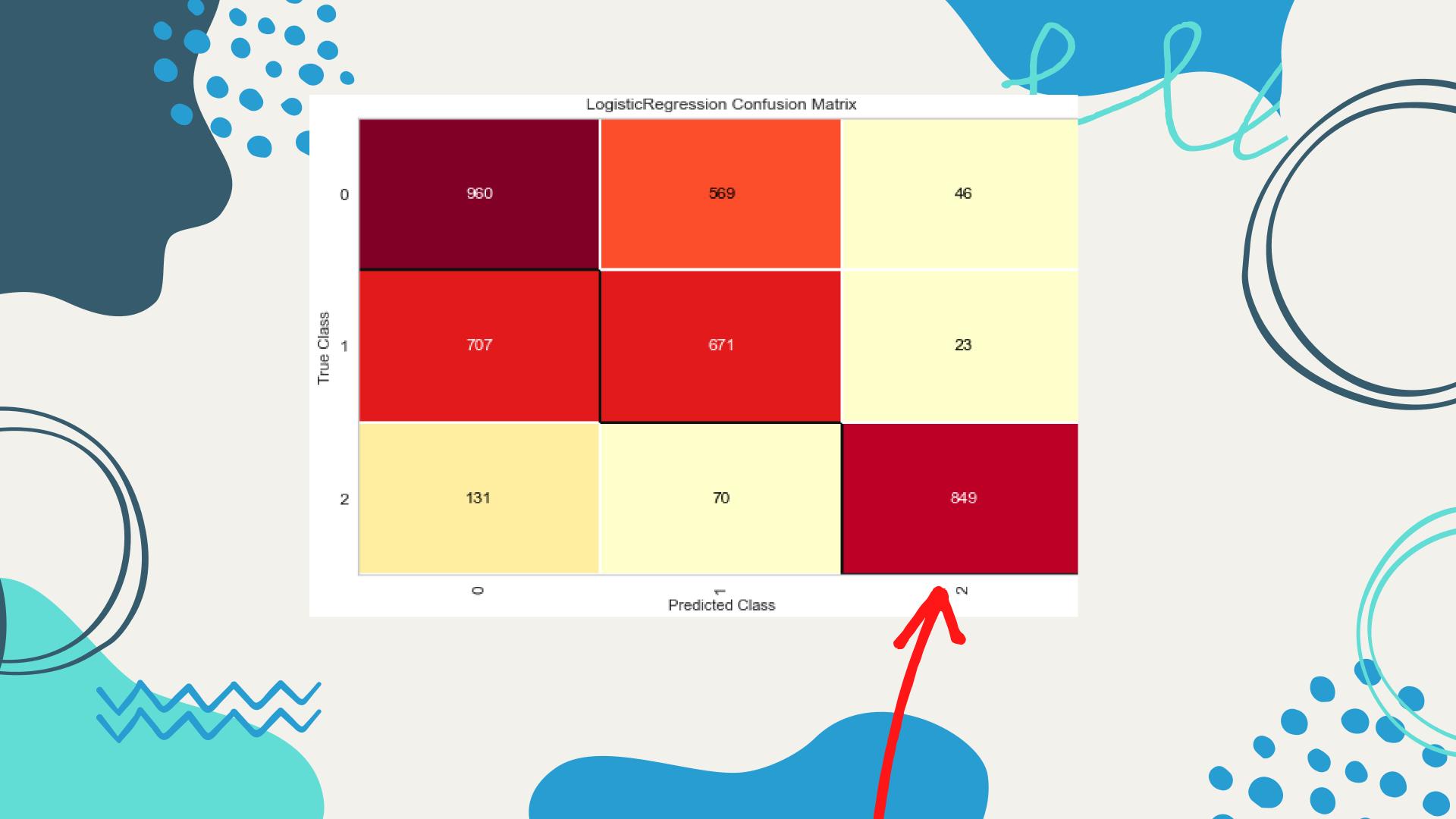


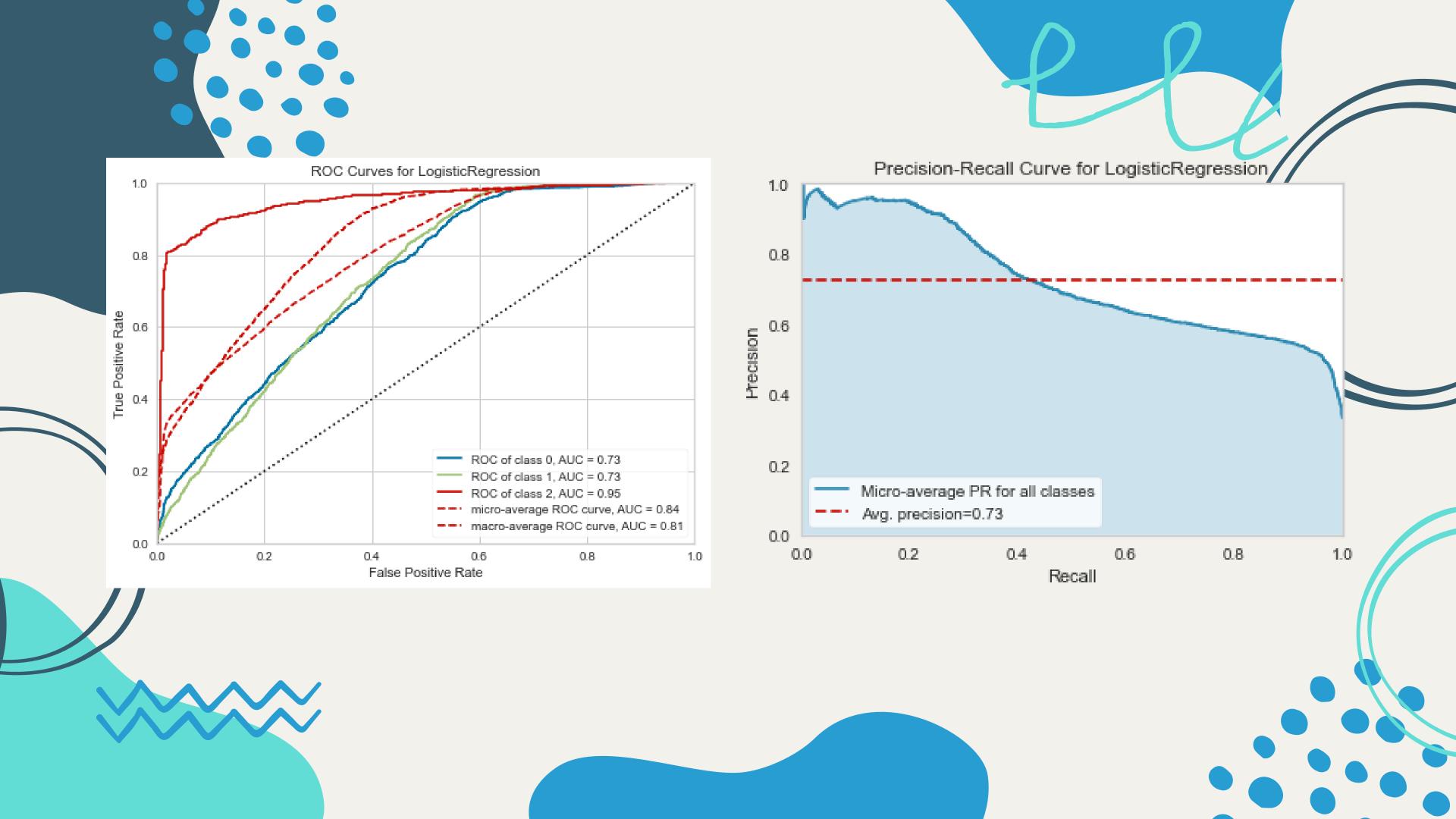


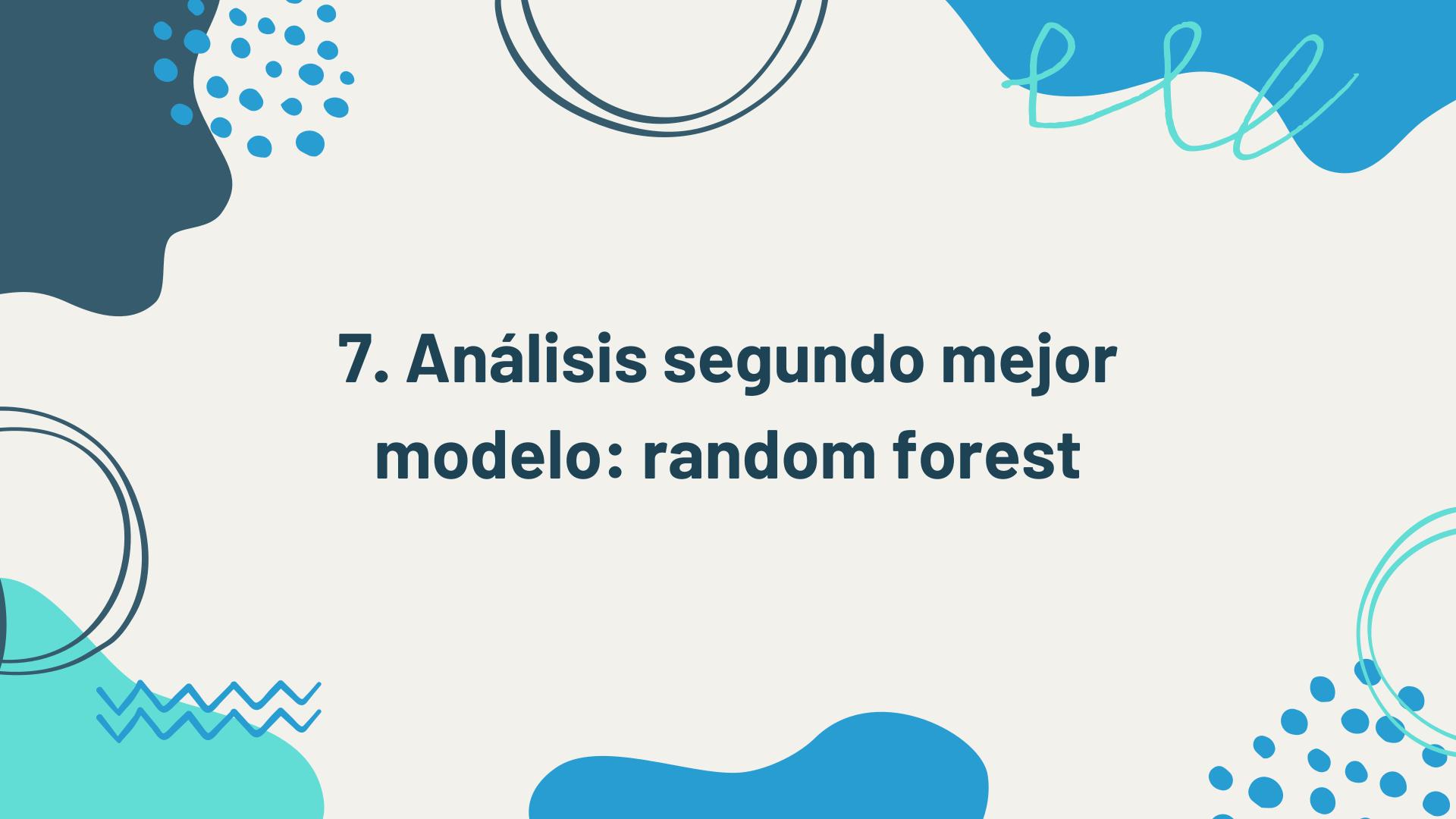


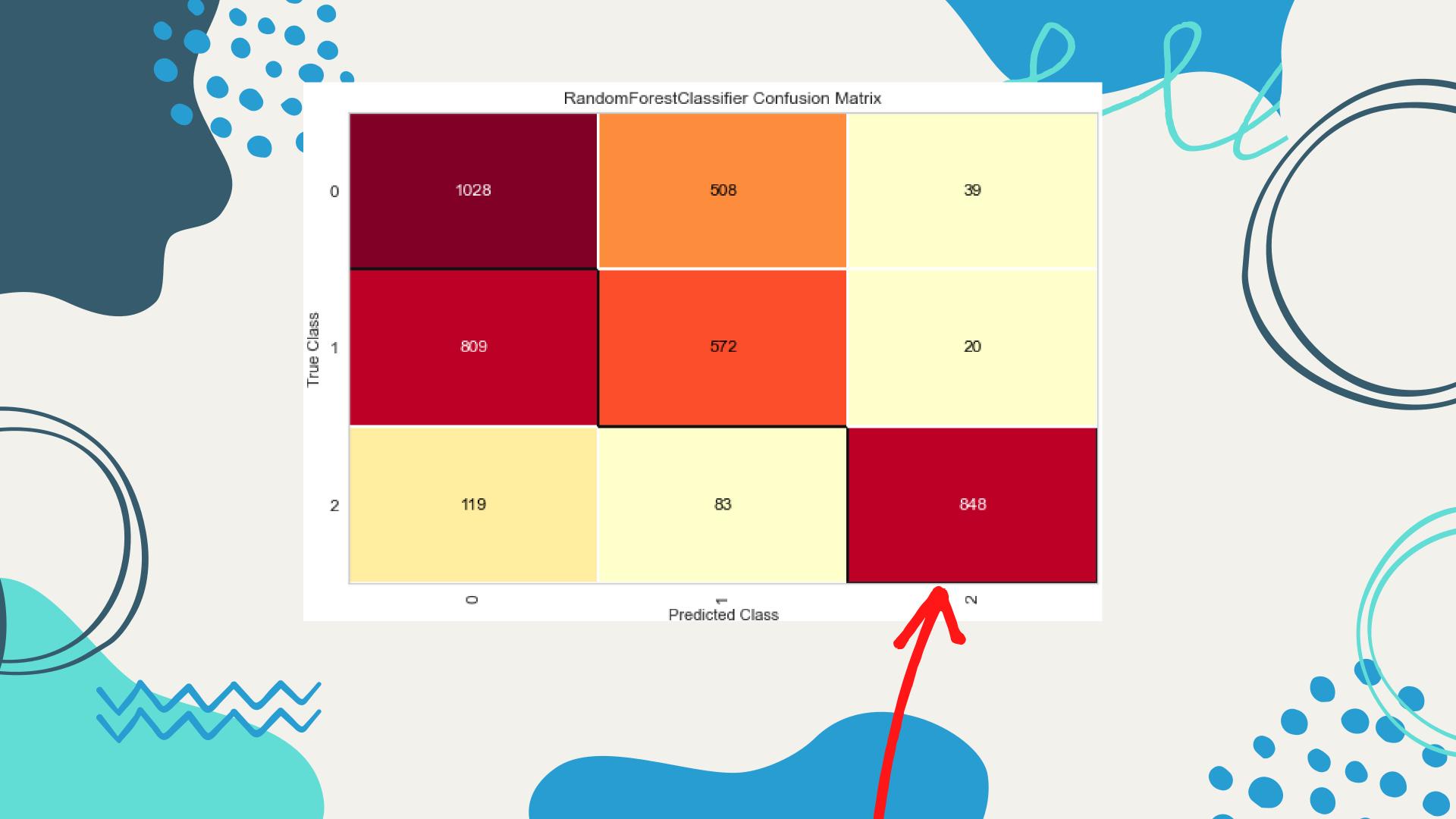
	Grid	Best score
0	gs_reg_log	0.647084
1	gs_rand_forest	0.643148
2	gs_svm	0.547912

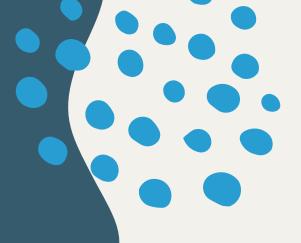


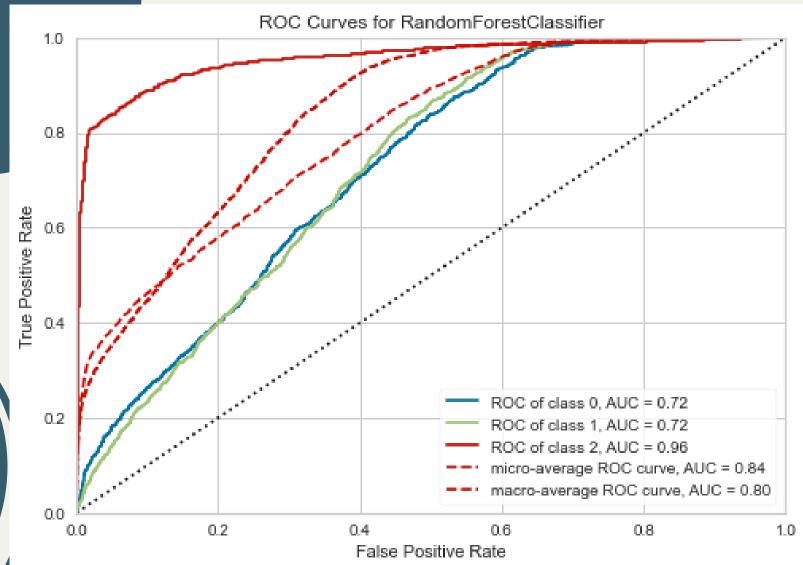


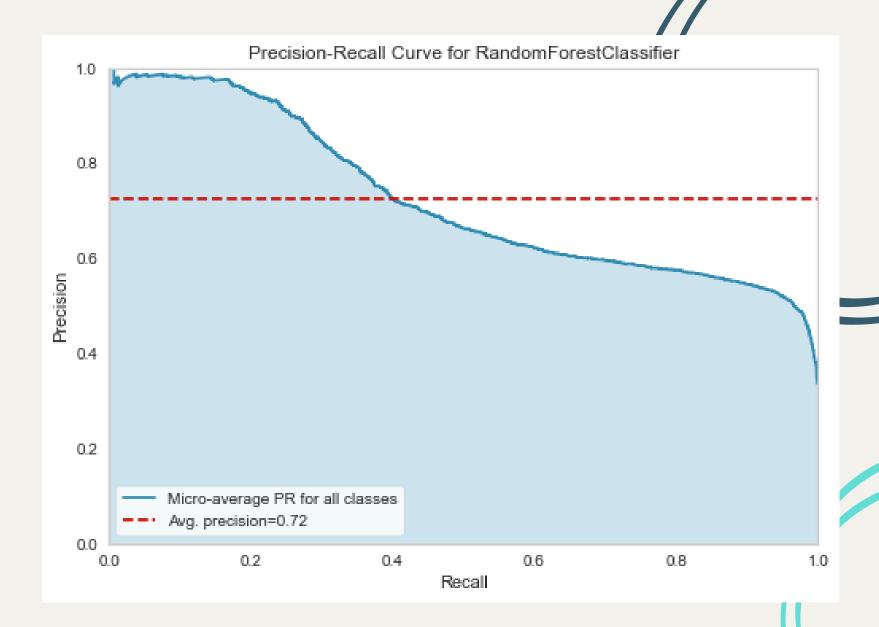














Modelo random forest predice mejor que regresión logística los contaminates de tipo 2 (CH4)
 Modelo random forest obtiene mejor

score en Kaggle que regresión logística

