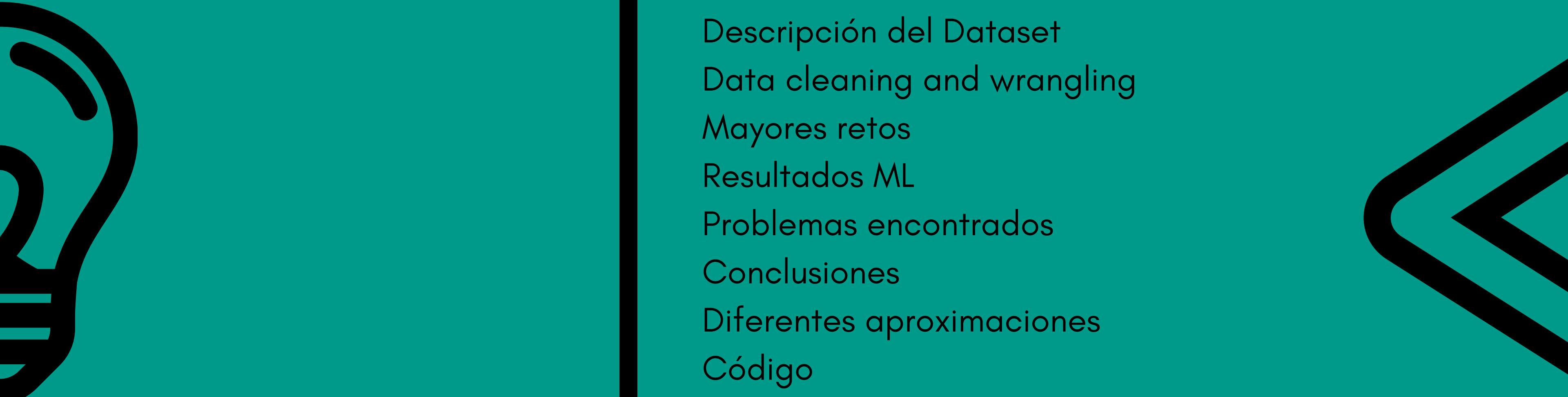


Sistema de Recomendación: Codewars

Alberto García Cobo

CONTENIDO



Descripción del Dataset
Data cleaning and wrangling
Mayores retos
Resultados ML
Problemas encontrados
Conclusiones
Diferentes aproximaciones
Código

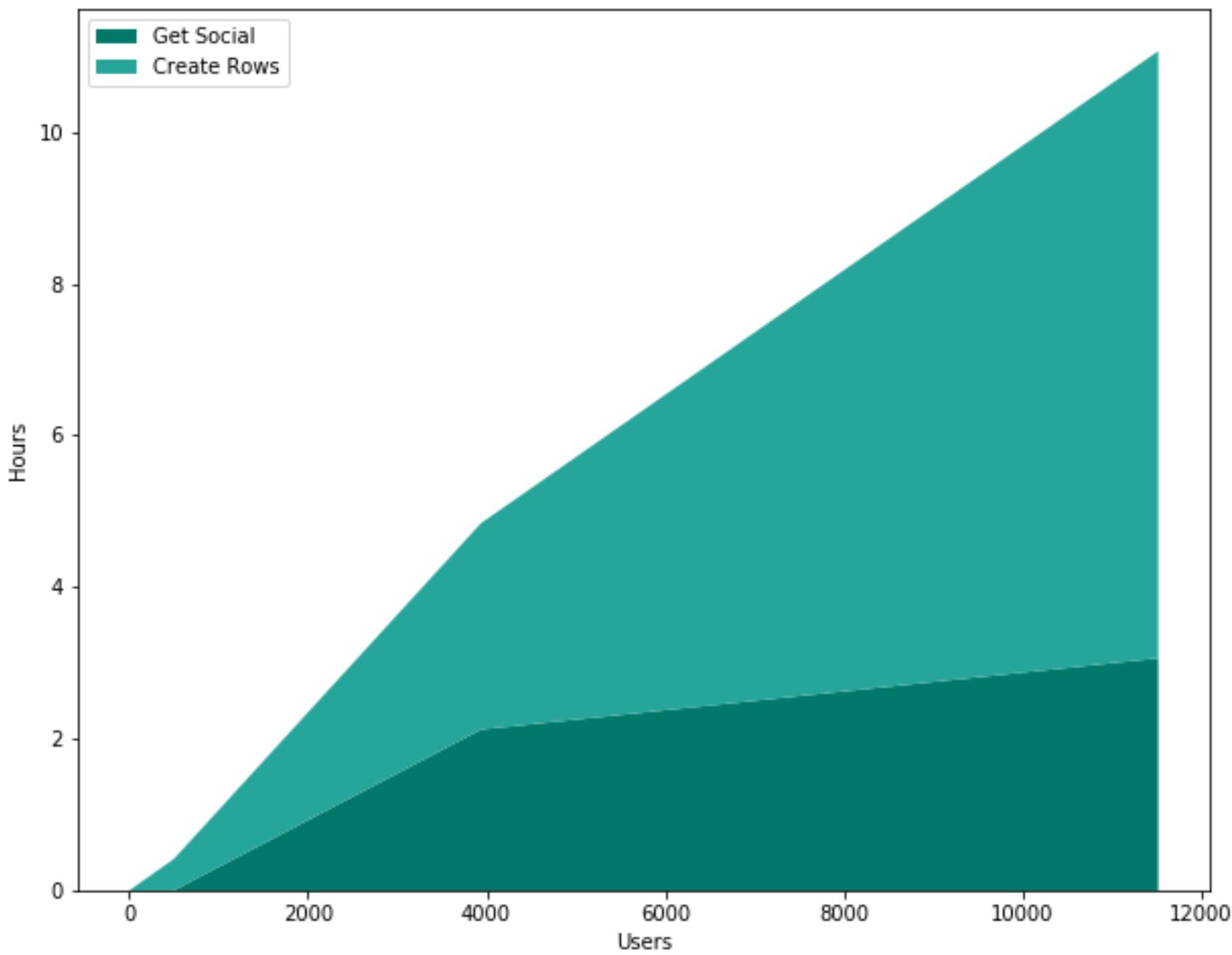
**usuarios de
codewars**

**Web Scraping
+ API requests**

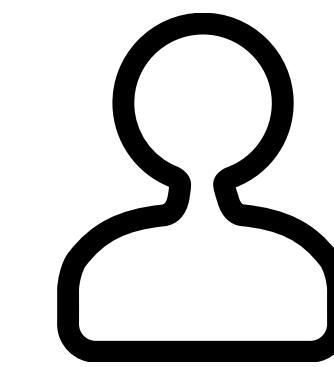
**11500 registros
3 iteraciones**

|| Descripción del Dataset

Coste en Tiempo en cada diferente iteración



Descripción del Dataset



0.0+0.4 horas
2.1+2.7 horas
3.0+8.0 horas

500
3939
11500

**columnas nulas
(tags)**

**strings
representando
numéricos**

**incrementar
score futuro**

| Data cleaning and wrangling



JAVASCRIPT (5 KYU)

3 (1 REPLIES)

1 (1 STARTED)

SEP 2018

HONOR: 3,101

| **Data cleaning and wrangling**

**combinar datos
de la API y web
scraping**

**Treemap:
javascript
json ad hoc**

**Incrementar
score futuro**

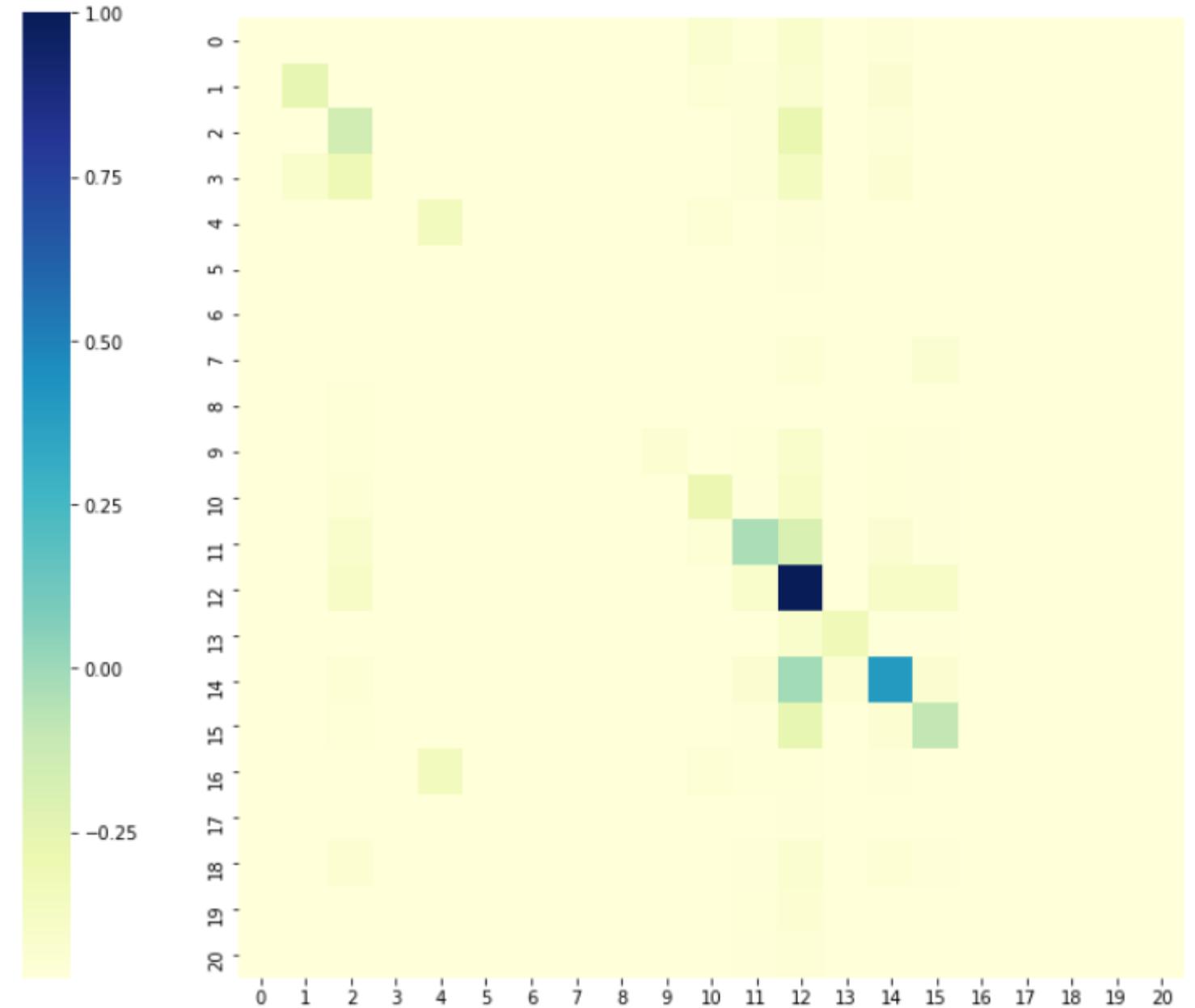
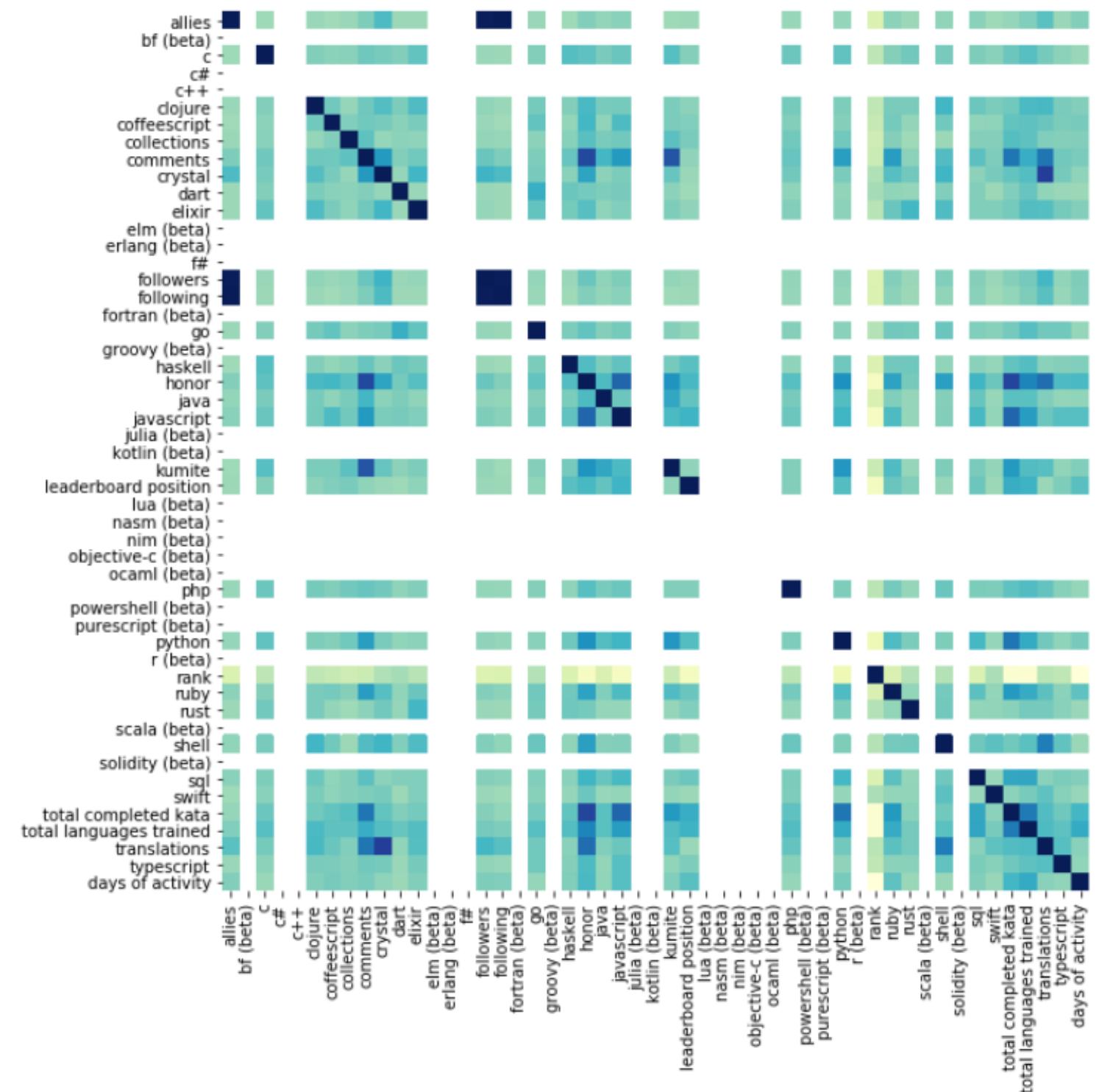
| Mayores retos

| Resultados ML

**Correlación
heatmap**

**Supervised
Learning**

**Unsupervised
Learning**



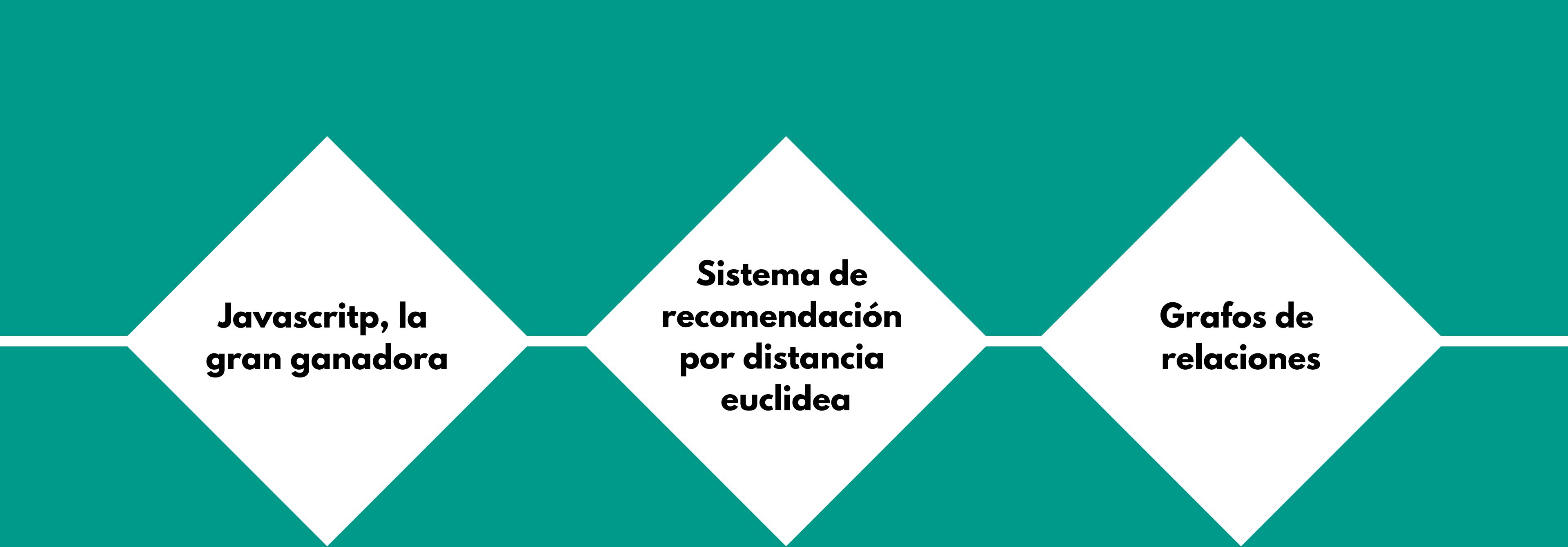
Correlation y confussion heatmap

**Tiempos
ETL**

**web scraping
de una web
dinámica**

**Creación
de grafos**

Problemas encontrados



**Javascript, la
gran ganadora**

**Sistema de
recomendación
por distancia
euclídea**

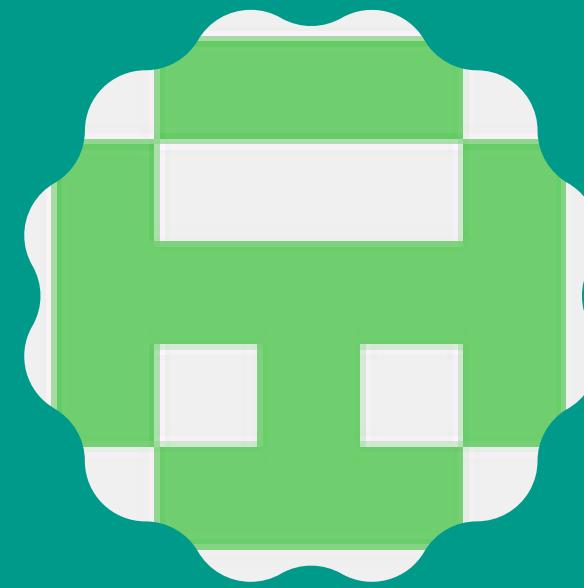
**Grafos de
relaciones**

| Conclusiones



| d3 Treemap

Buscamos expertos en: python, java, javascript



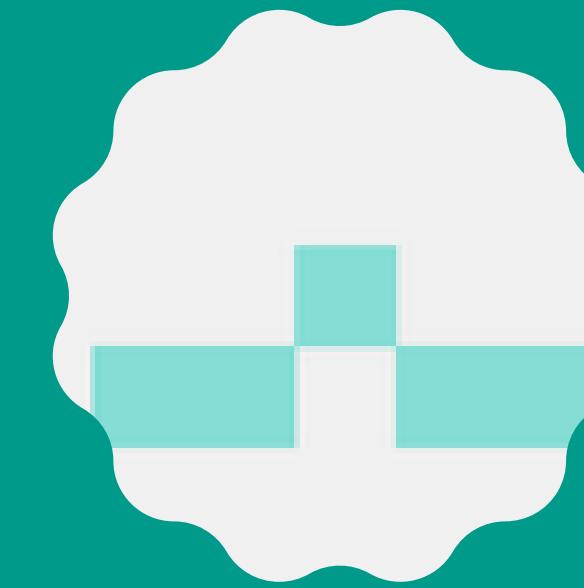
Blind4Basics

<https://github.com/Blind4Basics>



Bubbler

<https://github.com/Bubbler-4>

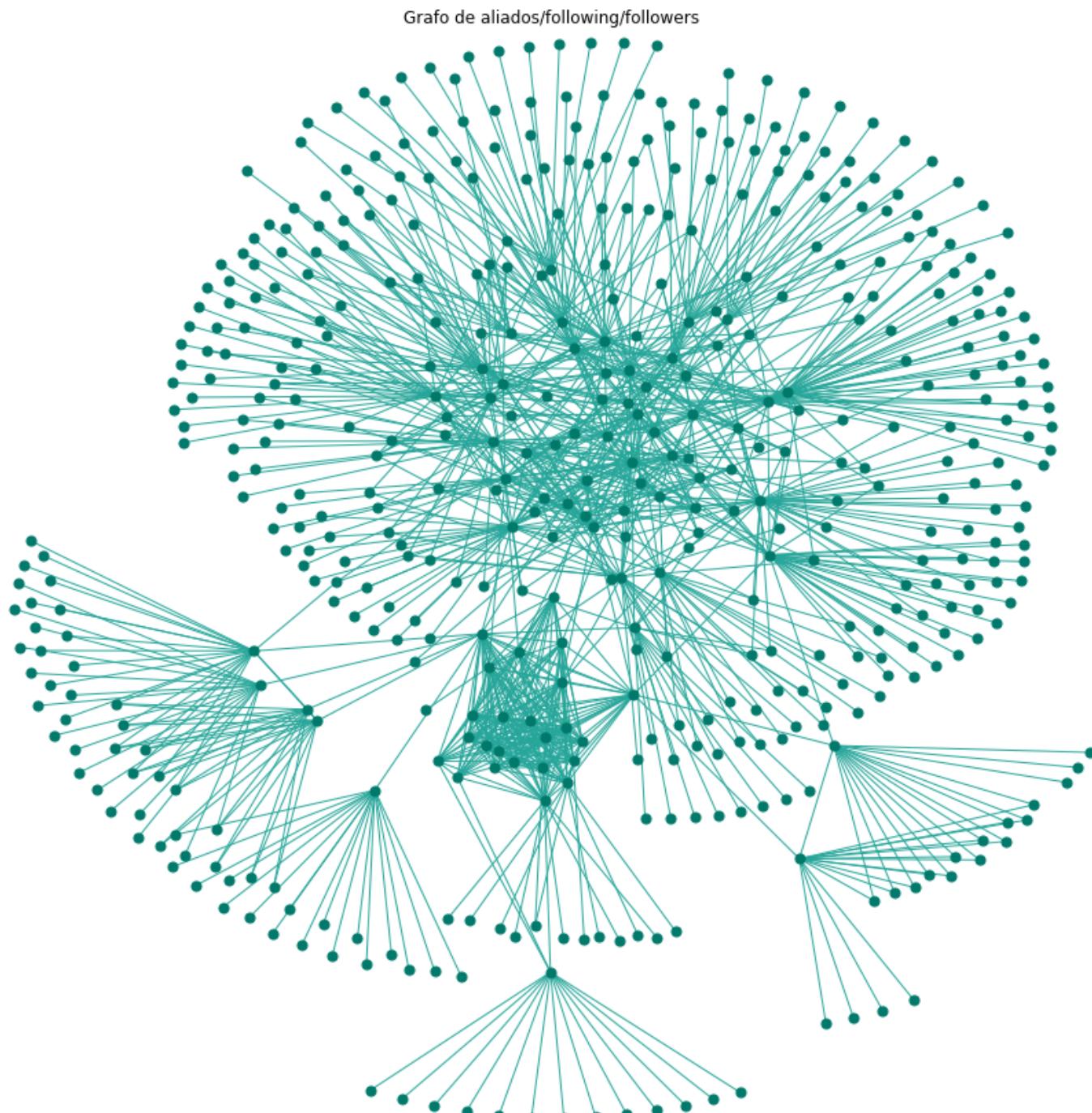


Lyapunov

<https://github.com/Lyapunov>

Sistema de recomendación

□



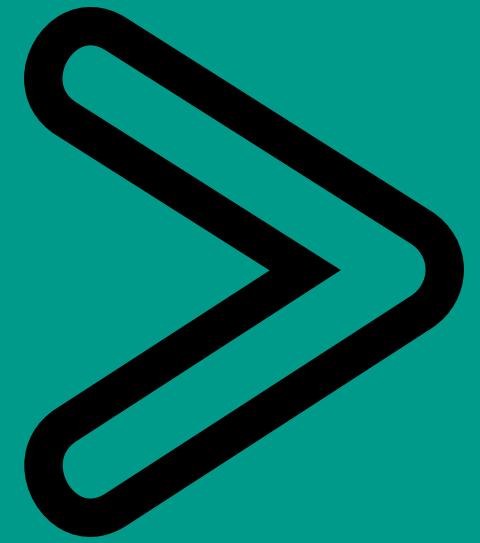
| Grafos de networkx

Diferentes aproximaciones

**Sistema de
archivos**

variable global

**Sistema de
recomendaciones**



```
import pandas as pd
```

IF CONTENT IS KING,
THEN CONVERSION IS QUEEN.