

Dataproject 2



Grupo: Karimun Jawa

Karimun Jawa



#KarimunJawa

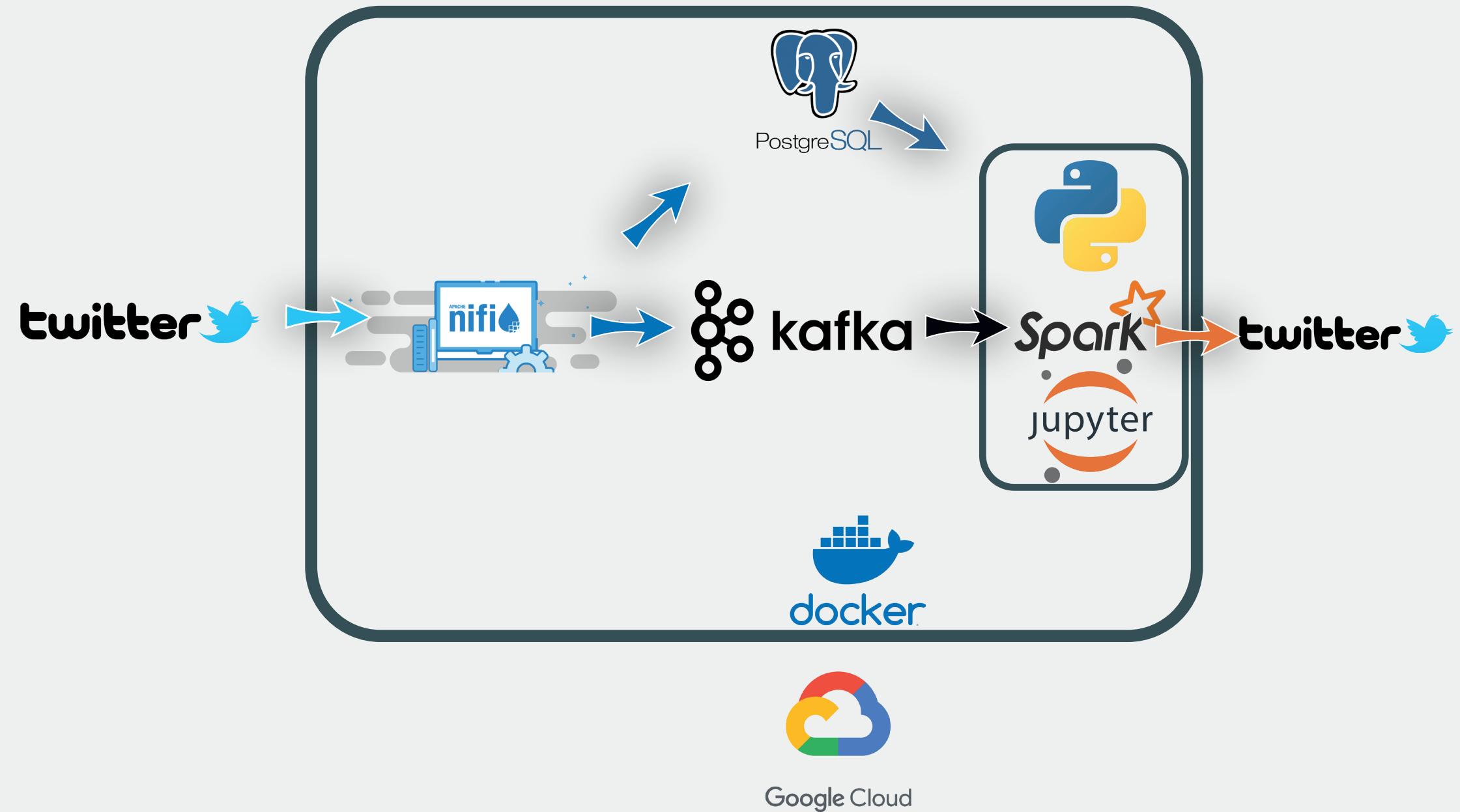
Integrantes: Amparo Botella
Carlos Donoso
María Carbonell
Juan Luis Hernández
Jordi Oltra

Github: <https://github.com/cadoca1/dataproject2>

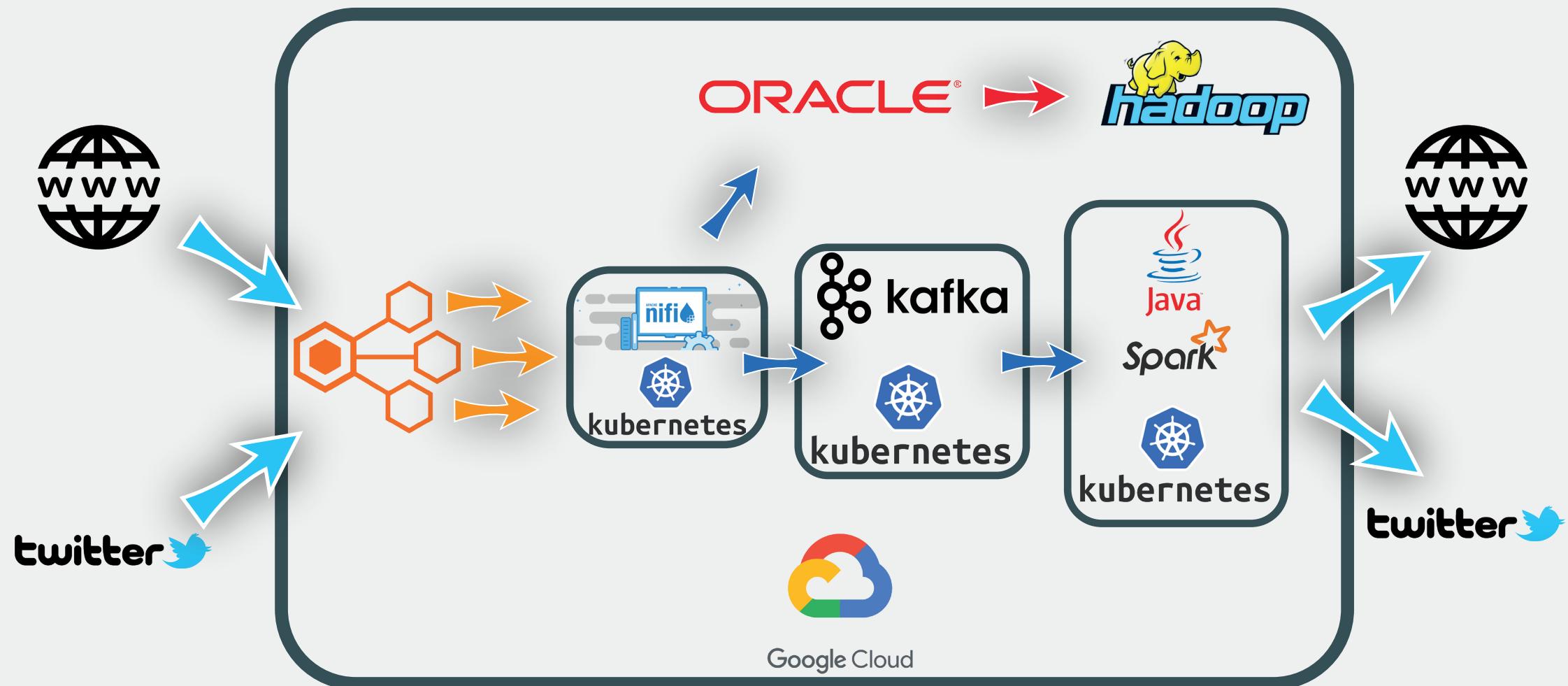
Problema propuesto



Arquitectura mvp



Arquitectura proyecto



Algoritmo

Data Learning Program
DLP 2020

dlpexerciseprocess
@dlpexercisepro1

A house in **Barcelona** is free for renting, with **4 rooms** available and a monthly **cost of 963€** with code 549150
#madaedem

Data Learning Program
DLP 2020

dlpexerciseprocess
@dlpexercisepro1

My name is Charles Bailey, **my salary is 144114€** yearly and I am 47 years old. My family are **4 members**. These are **my hobbies: Beach(8), City(7), Nature(4), Party(0)**
#madaedem

Paso 1



dlpexerciseprocess
@dlpexercisepro1

My name is Charles Bailey, my salary is 144114€ yearly
and I am 47 years old. My family are 4 members. These
are my hobbies: Beach(8), City(7), Nature(4), Party(0)
#mdae dem



Karimunjawa
@Carlos11284606

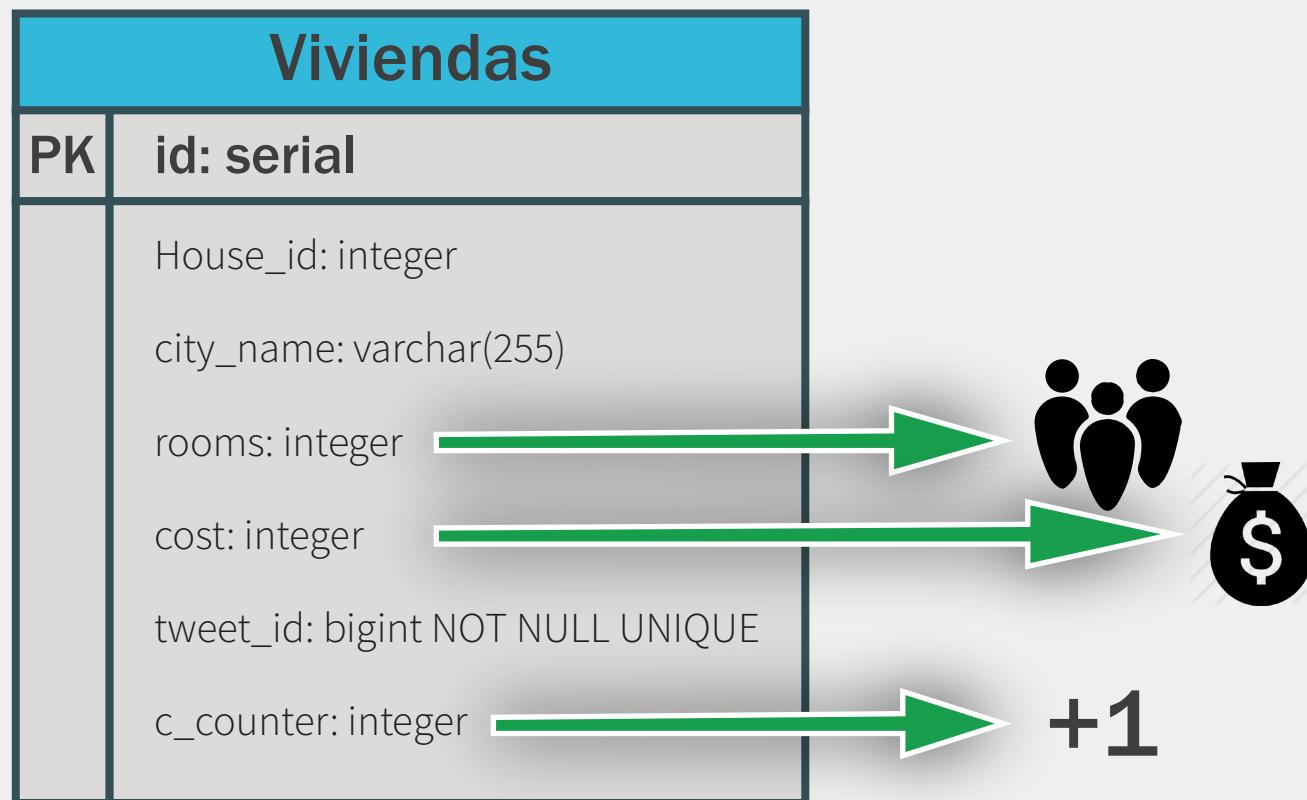
```
split_text = tweet_text.split(" ")
name = split_text[3] + " " + split_text[4][:-1]
salary = split_text[8][:-1]
members = split_text[19]
beach = split_text[25][-3:-2]
city = split_text[26][-3:-2]
nature = split_text[27][-3:-2]
party = split_text[28][-2:-1]
#KarimunJawa
```

Paso 2



Karimunjawa
@Carlos11284606

```
cursor.execute("SELECT * FROM casas WHERE cost <= " +  
str((int(salary)/12)*0.2) + " and (rooms = " + str(members)  
+ " or rooms = " + str(int(members)+1) + ") and c_counter  
<=4;") #KarimunJawa
```



Paso 3



Karimunjawa
@Carlos11284606

```
playa = ["Valencia", "Barcelona", "Ibiza"]
ciudad = ["Madrid", "Barcelona", "Valencia", "Sevilla"]
naturaleza = ["Oviedo", "Bilbao"]
fiesta = ["Ibiza", "Madrid", "Barcelona"]

scoring = {"Madrid": 0, "Barcelona": 0, "Ibiza": 0, "Valencia": 0,
           "Sevilla": 0, "Oviedo": 0, "Bilbao": 0}

for k in scoring:
    try:
        playa.index(k)
        scoring[k] += int(beach)
    except (Exception) as error :
        print("Not present", error)
#KarimunJawa
```



Paso 4



Karimunjawa
@Carlos11284606

```
mejor_casa['score'] = mejor_casa['city_name'].map(scoring)
resultado = mejor_casa[mejor_casa.score == max(mejor_casa.score)]
#KarimunJawa
```



Paso 5



Karimunjawa
@Carlos11284606

```
contador = 0
for _, i in resultado.iterrows():
    if contador >= 2:
        break;

        tweet = "Hi! " + name + ", your perfect house is placed
in " + i.city_name + ", with the code: " + str(i.house_id)
        tweet += " https://twitter.com/dlpexercisepr1/status/"
+ str(i.tweet_id)

    contador += 1
#KarimunJawa
```



Paso 6



Karimunjawa
@Carlos11284606

```
cursor.execute("UPDATE casas SET c_counter = c_counter + 1  
WHERE tweet_id = " + str(i(tweet_id))  
#KarimunJawa
```

Viviendas	
PK	id: serial
	House_id: integer city_name: varchar(255) rooms: integer cost: integer tweet_id: bigint NOT NULL UNIQUE c_counter: integer

+1 ←

Respuesta



Karimunjawa @Carlos11284606

Replies to @dlpexercisepr01

Hi! Charles Bailey, your perfect house is placed in Barcelona, with the code: 549150



dlpexercisepr01 @dlpexercisepr01

A house in Barcelona is free for renting, with 4 rooms available and a monthly cost of 963€ with code 549150 #madedem

Equipo

MVP MVP



MTO



PF
MTO



MVP
PF
MTO

PF Proyecto

MTO Mantenimiento



MVP
PF
MTO



MVP
PF
MTO

Yolanda I. Garrote José Ramón Mañez Blasco Daniel Ruiz Riquelme Annemarie Helmreich Sara Martinez
HelpDesk DevOps Data Engineer. Senior Scrum Master Project Manager



PF
MTO



PF



MVP
PF



PF

Laura Cruz

FullStack Web Developer

Javier Navarro

Ux (User Experience)

David Aragonés Campos

Data Engineer, Junior

Javier Molla

Cloud Developer

Linea temporal mvp

MVP

Duración: 9 días

Planificación **16h**

Arquitectura **8h**

Nifi **16h**

Pyspark **16h**

Linea temporal proyecto

PF

Duración: 12 días

Web

Ux 28h

Desarrollo 44h

Cloud

HDFS 6h

Kubernetes 8h

Código

Mejora del código 6h

optimización del código 16h

Refactoring 24h

Integración 4h

Test

Test 44h

Fituación financiera: Ingresos y gastos

Costes MTO
398K€/año

Costes PF
28K€

Comisión por alquiler
50 % del primer mes

Costes MVP
2K€



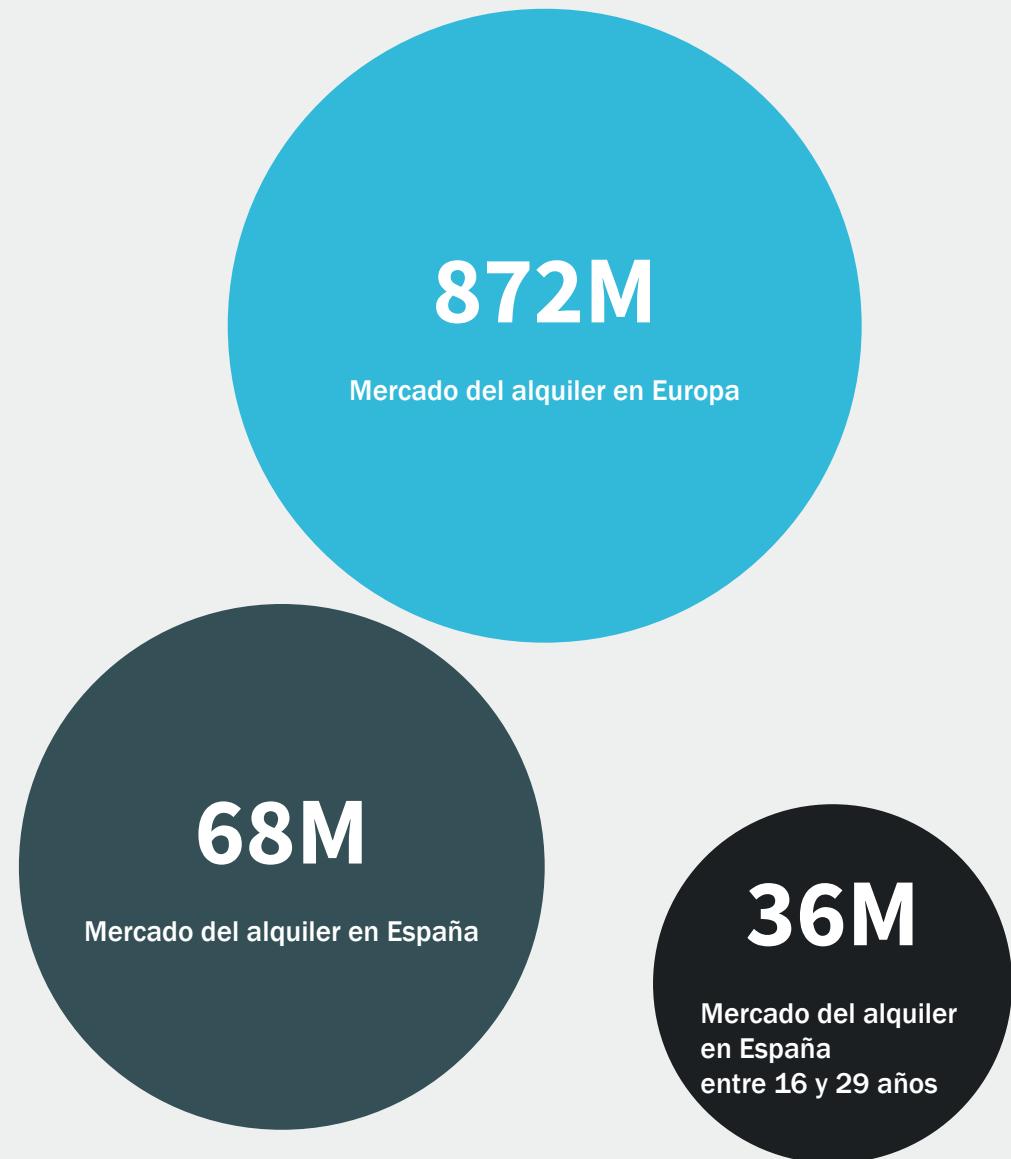
Fituación financiera: Beneficios

Escenarios por Tweets al mes		Retorno con 0.5%	Retorno con 2%	Retorno con 6%
Supreme	43200	74.445,99€	383.518,17€	1.207.710,64€
Mejor	21600	22.933,96€	177.470,05€	589.566,29€
Medio	10800	-2.822,05€	74.445,99€	280.494,11€
Malo	5400	-13.684,06€	24.949,96€	127.974,02€



TAM SAM SOM

- Total Available Market (TAM)
- Serviceable Available Market (SAM)
- Serviceable Obtainable Market (SOM)



Conclusión

