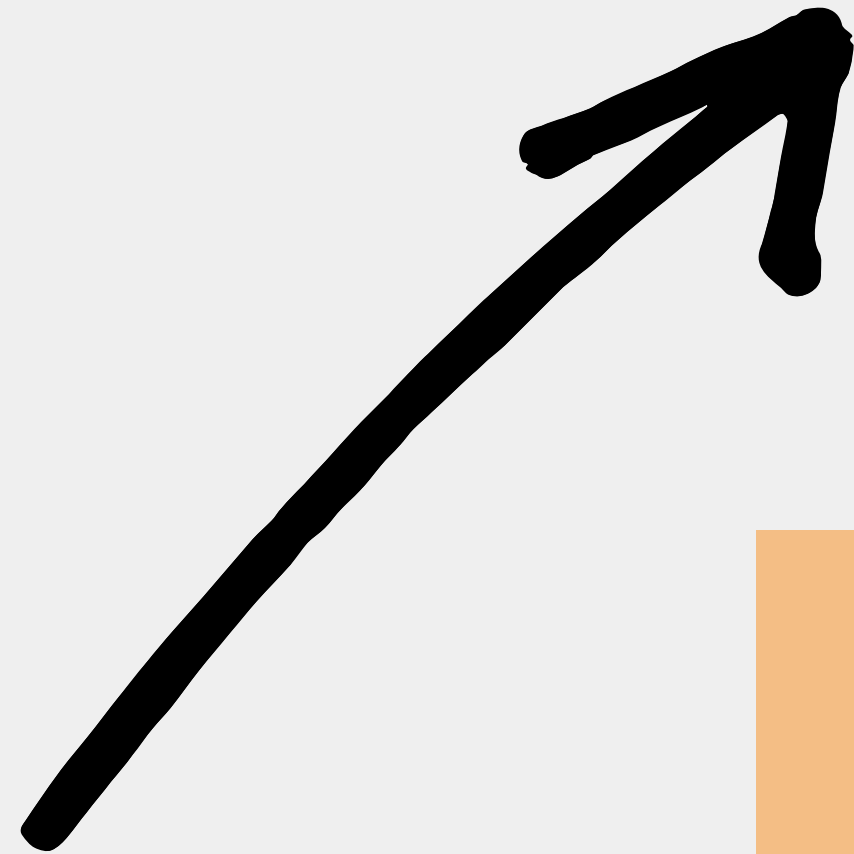


MACHINE LEARNING

ESQUEMA DE LA PRESENTACION



**MUESTRA DEL
PRODUCTO**

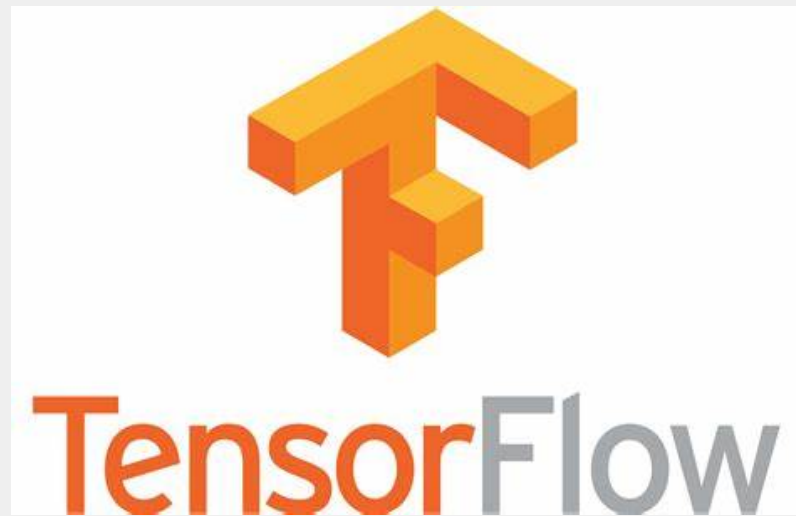
**DESCRIPCION DEL
PRODUCTO FINAL**

**DESARROLLO Y
PROCESO DEL DATO**

STACK TECNOLÓGICO FINAL



spaCy



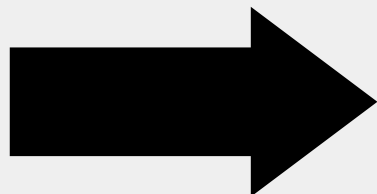
SQLAlchemy



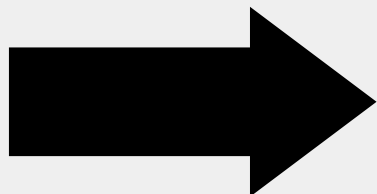
ROADMAP DE LA DATA

PRE-CLOUD

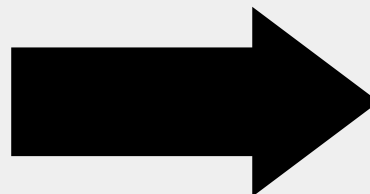
EXTRACT



EXTRACT



TRANSFORM



LOAD



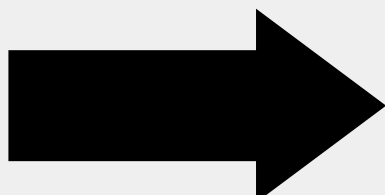
Google Cloud

POST-CLOUD

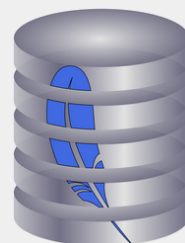


Google Cloud

EXTRACT



ML TRANSFORM



SQLITE DATABASE
PARA GOOGLE Y YELP
INDEXADA



VECTORES PARA
EMPRESAS DE
YELP Y GOOGLE



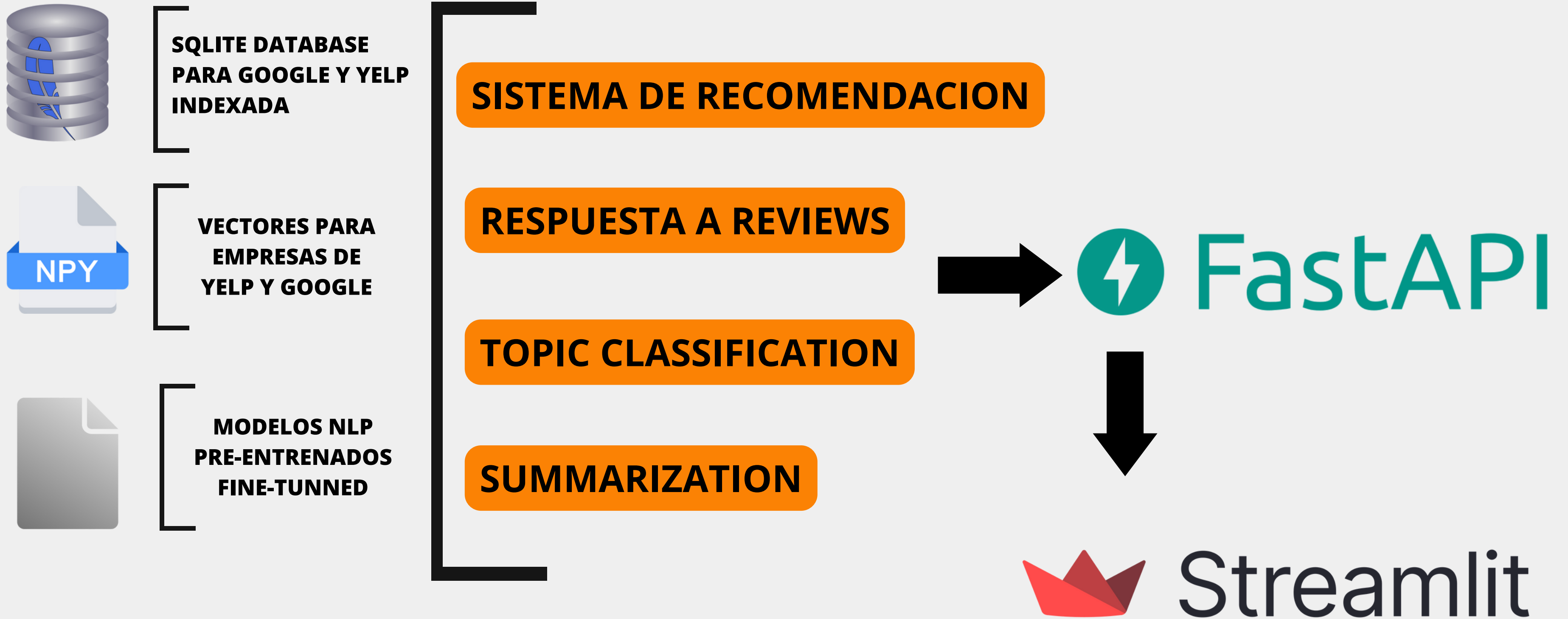
MODELOS NLP
PRE-ENTRENADOS
FINE-TUNED

1. REVIEWS
2. METADATA

MATRIZ DE CONTENIDO

X1	0	0.3	0.5	0.2
X2	0.1	0	0	0.9
X3	0	0.3	0.5	0.2

ARQUITECTURA



API ENDPOINTS



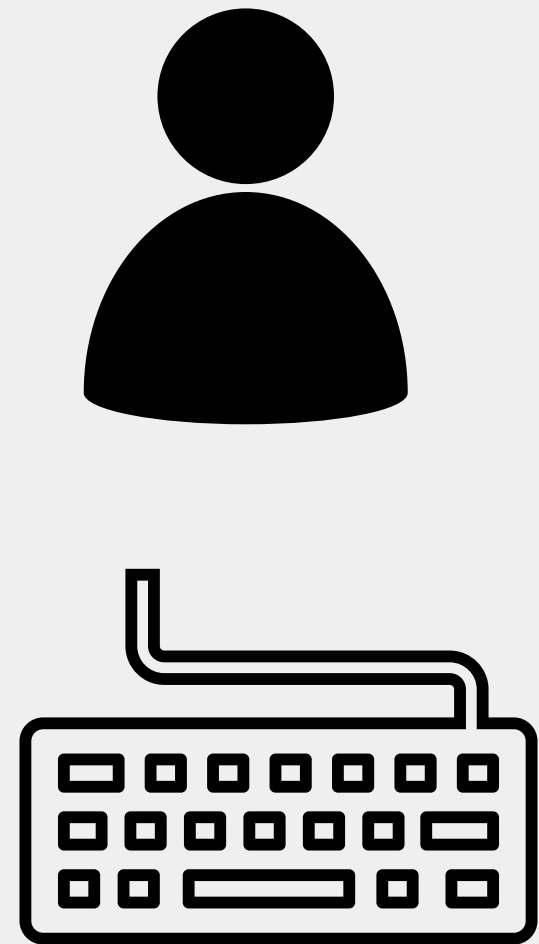
SISTEMA DE RECOMENDACION

NLP MODELOS

EXTRAS: DEVUELVE LAS REVIEWS

GET	/user/google/{user_id}/{user_coord}/{category}/{threshold}	Google Recomendation	▼
GET	/user/yelp/{user_id}/{user_coord}/{category}/{threshold}	Yelp Recomendation	▼
GET	/business/topic_classification/{review}	Topic Classification	▼
GET	/business/review_response/{review}	Review Response	▼
GET	/business/summarize/{review}	Summarize	▼
GET	/business/reviews/google/{company_index}	Get Company Reviews	▼
GET	/business/reviews/yelp/{company_index}	Get Company Reviews	▼

SISTEMA DE RECOMENDACION

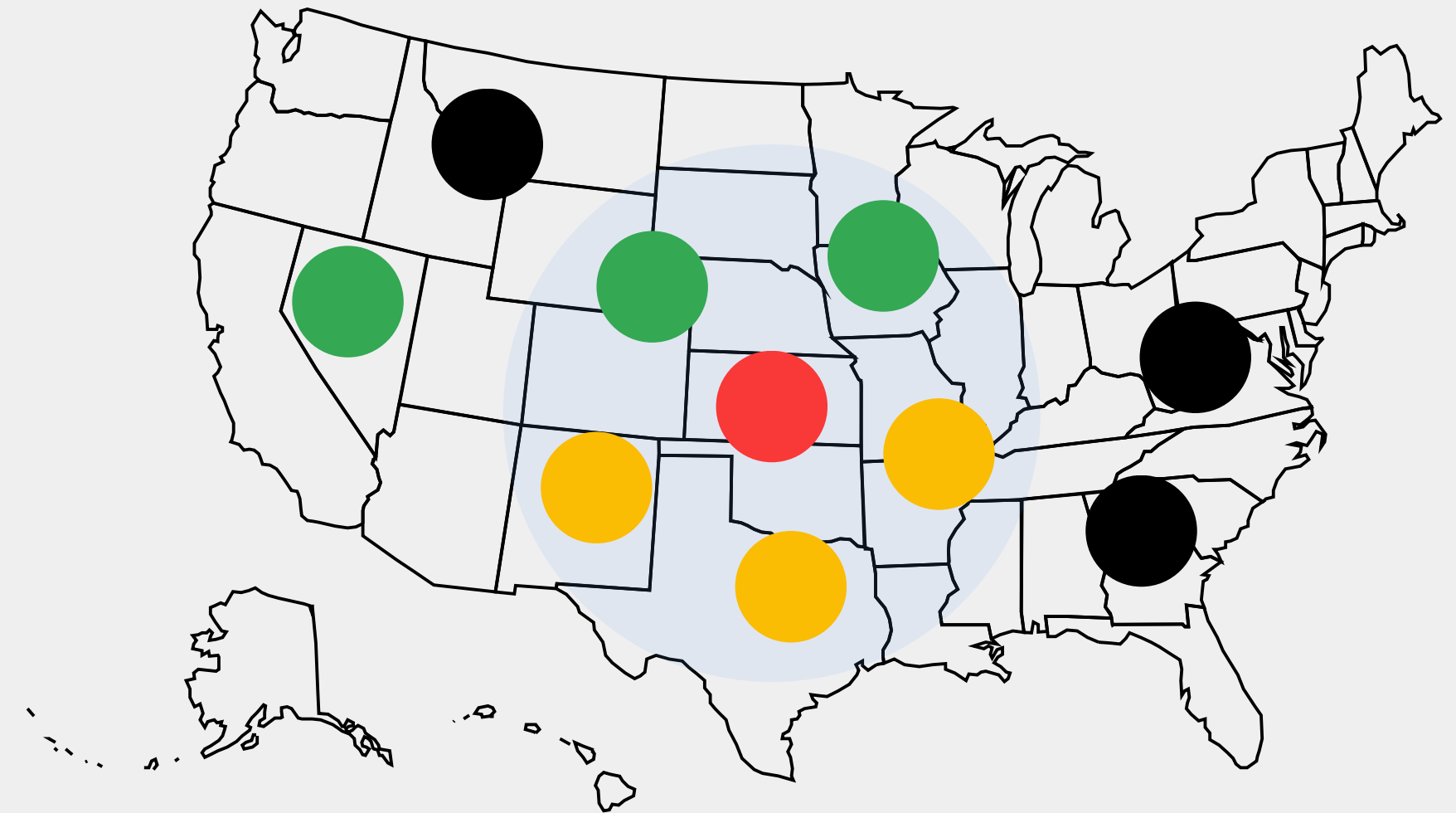
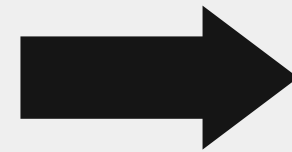


ID DEL USUARIO

LATITUD | LONGITUD

CATEGORIA

DISTANCIA



USUARIO



INSTITUCIONES VISITADAS

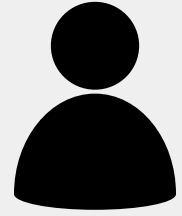


INSTITUCIONES NO VISITADAS



INSTITUCIONES NO CONSIDERADAS

NOTA EXTRA



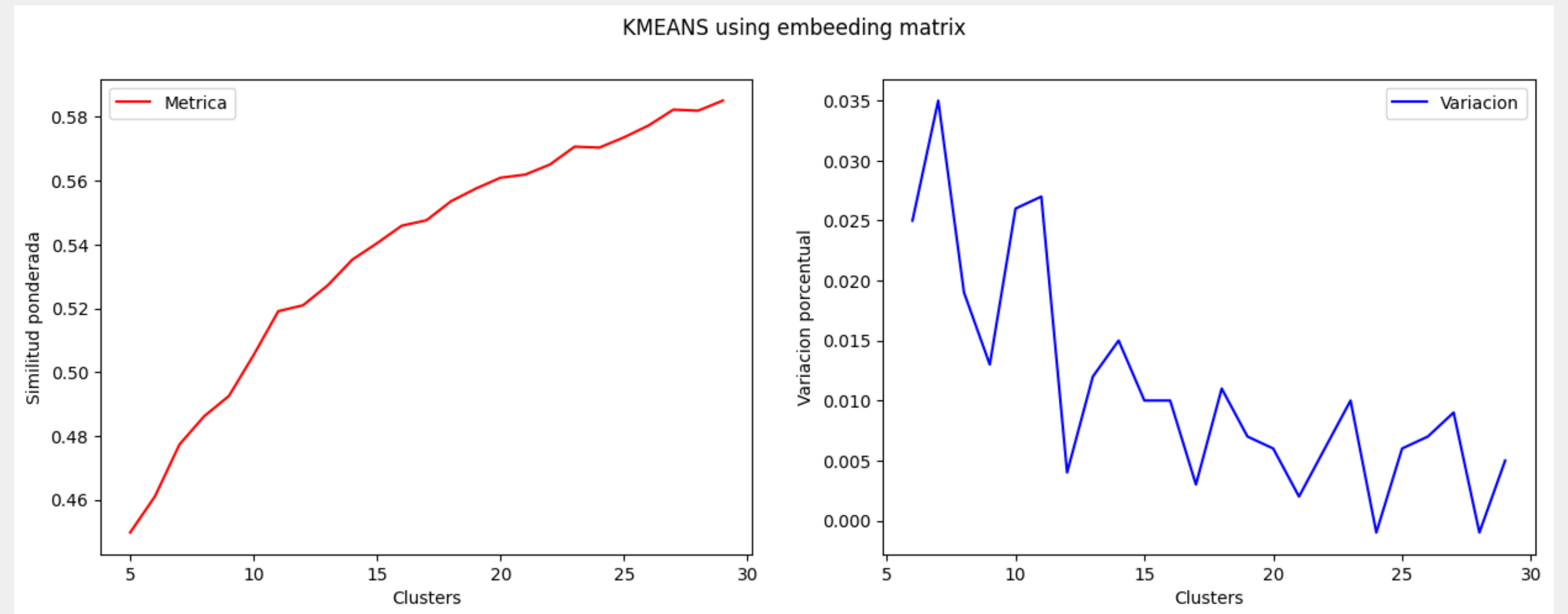
CATEGORIA

13 CATEGORIAS PARA YELP

11 CATEGORIAS PARA GOOGLE

EJEMPLO PARA GOOGLE

- healthcare services
- food and beverage establishments
- personal care services
- retail stores
- wholesale suppliers
- service establishments
- places of interest and worship
- business services
- clubs and sports
- creative professionals
- educational institutions



**VAMOS A LA
APLICACION**

