Manuel Santiago Gutierrez Plazas 506211011

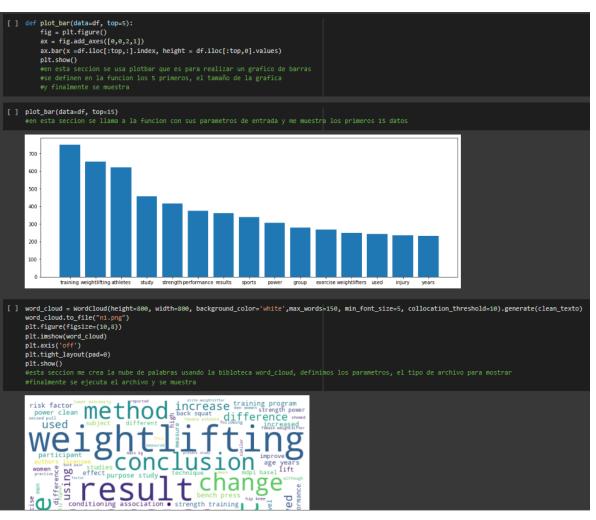
Diseño de interfaces

Enlace del repositorio: https://github.com/MANUELSANT019/FitFusion

0	import numpy as np import pandas as pd from pandas_profiling import ProfileReport #Esta section de codigo importa librerias como numpy que realiza calculo numerico #la libreria pandas se usa para el manejo y estr									
C>	<pre><ipython-input-2-f0702a0af64c>:3: DeprecationWarning: `import pandas_profiling` is going to be deprecated by April 1st. Please use `import ydata_profiling` instead. from pandas_profiling import ProfileReport</ipython-input-2-f0702a0af64c></pre>									
I	Esto solo imprime hola									
[]	<pre>data = pd.read_csv("scopus.csv") #aca importamos o le decimos al programa cual es el archivo que contiene nuestra data</pre>									
[]	profile = ProfileReport(data, title="Profiling Report") ####################################									
[]	[] profile #hacemos llamado para ejecutar									
	import numpy as np import pandas as pd									
	import requests from bs4 import BeautifulSoup									
	from PIL import Image from wordcloud import WordCloud, ImageColorGenerator import matplotlib.pyplot as plt									
	<pre>import string import nltk from nltk.corpus import stopwords #aca se vuelve a importar las librerias anteriores junto a otras nuevas para extraer la informacion #de una pagina web, pillow es para usar imagenes con python, wordcloud para generar nubes de palabras # a partir de textos, matplotlib se utiliza para generar graficos en python # nltk para procesar lenguaje natural y stopwords para remover palabras irrelevantes para el analisis #se uso chat gpt para pillow y matplotlib</pre>									
[]	nltk.download('stopwords') #se descarga el texto, se procesa el lenguaje natural y se remueven las palabras irrelevantes									
	<pre>[nltk_data] Downloading package stopwords to /root/nltk_data [nltk_data] Unzipping corpora/stopwords.zip. True</pre>									
[]	<pre>punctuation=[] for s in string.punctuation: punctuation.append(str(s)) sp_punctuation = ["¿", "¡", "«", "»", ".", "-", "»", "«"]</pre>									
	punctuation += sp_punctuation									

```
[ ] titulos = str
     for titulo in data["Abstract"]:
         titulos = titulo + " " + str(titulos)
     titulos
[ ] stop_words = stopwords.words('english')
     aca se remueven las palabras comunes en ingles que son irrelevantes para nuestro analisis#
[ ] for p in punctuation:
         clean_texto = titulos.lower().replace(p,"")
     for p in punctuation:
         clean_texto = clean_texto.replace(p,"")
     #el primer ciclo se encarga de volver a minuscula todo el texto
     #el segundo ciclo es para reemplazar los signos de puntuacion por una cadena vacia
[ ] for stop in stop_words:
         clean_texto_list = clean_texto.split()
         clean_texto_list = [i.strip() for i in clean_texto_list]
            while stop in clean_texto_list: clean_texto_list.remove(stop)
         except:
            print("Error")
         clean_texto= " ".join(clean_texto_list)
         #esta seccion de codigo analiza la data en busca de las palabras mas comunes en ingles
```

```
[ ] lista_texto = clean_texto.split(" ")
     palabras = []
     for palabra in lista_texto:
         if (len(palabra)>=3 and len(palabra)<18):</pre>
            palabras.append(palabra)
[ ] word_count={}
     for palabra in palabras:
         if palabra in word_count.keys():
            word_count[palabra][0]+=1
            word_count[palabra]=[1]
[ ] df = pd.DataFrame.from_dict(word_count).transpose()
    df.columns=["freq"]
df.sort_values(["freq"], ascending=False, inplace=True)
     df.head(10)
     #esta seccion me transpone "palabras clave", saca la frecuencia usando la libreria pandas y me muestra los 10 primeros
                   freq
       training
      weightlifting
       athletes
                    458
        study
       strength
     performance 375
        results
        sports
                    340
        power
```



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	data.head reste mue																		
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	o Ma	gnara L. zzotti A. Rossi F., mia F.,		Using Wearable Inertial Sensors to 2023 Monitor Eff						Department Biomedical a Neuromotor Scient	nd Department of	Background: Dynamic balance plays a key role i		Inertial navigation systems; Wearable sensors;					2-82.0 85147856218
	1 6	ling C.L., ong P.W.	58099372900;14056310700;	Field-Based Biomechanical Assessment of the Sn				NaN P	NaN .	Physical Educati and Sports Scien Academi	ce Education and Sports		barbell; ground reaction force; kinematic; kin	Biomechanics; Kinematics; Laboratories; Video					2-62.0 85147843394
	2 Ries	ibner M., mann B., skihett A.		Grip Strength and Sports Performance 2023 in Compet	International Journal of Environmental Researc					Department Statistics a Probability, Mici	nd Department of	Grip strength (GS) is correlated with major mu	aging; athletes; clean and jerk; hand symmetry	aging; muscle; performance assessment, physica					2-s2.0 85147831973
	3 Imioka	lachel F kgün D zyk J. P linkus	56418554100;57194229886;57201669702;5650739540	Patient-specific risk profile associated 2023 with	Archives of Orthopaedic and Trauma Surgery		NaN			Center Musculoskele ··· Surgery, Charité Ut	tal for Musculoskeletal	Introduction: Although age is considered to be	Eccentric osteoarthritis; Primary glenohumeral	case control study; complication; female; huma					2-62.0 85112823371
	Ames 4 S.S., I Li L., C			Against surgeons' advice: the return to 2023 sport	Journal of Shoulder and Elbow Surgery					New England Bap Hospital, Boston, N Uni	IA, England Baptist	Background: Return to sport in high- demand wei	Case Series; glenohumeral arthritis; Level IV;			Article in Press			2-s2.0 85148717371
		columns																	