



Billboard TOP 100 Hits

Music Recommender

Project by Peter, Ibrahim, Ismail and Bright.



Billboard

HOT 100

Outline;

Introduction

Steps

Music recommender

Challenges



Introduction

We created a program
that recommends top 100
hot songs from the
Billboard top hits.

Agile tool used;
Trello.

Steps

1.Scrape the current top 100 songs and their respective artists from the Billboard.

2.Information into a pandas data-frame.

3.Later we created a code that picks and recommends the 100 hot songs from the Billboard list.





REDI FINAL PROJECT 2021.ipynb 

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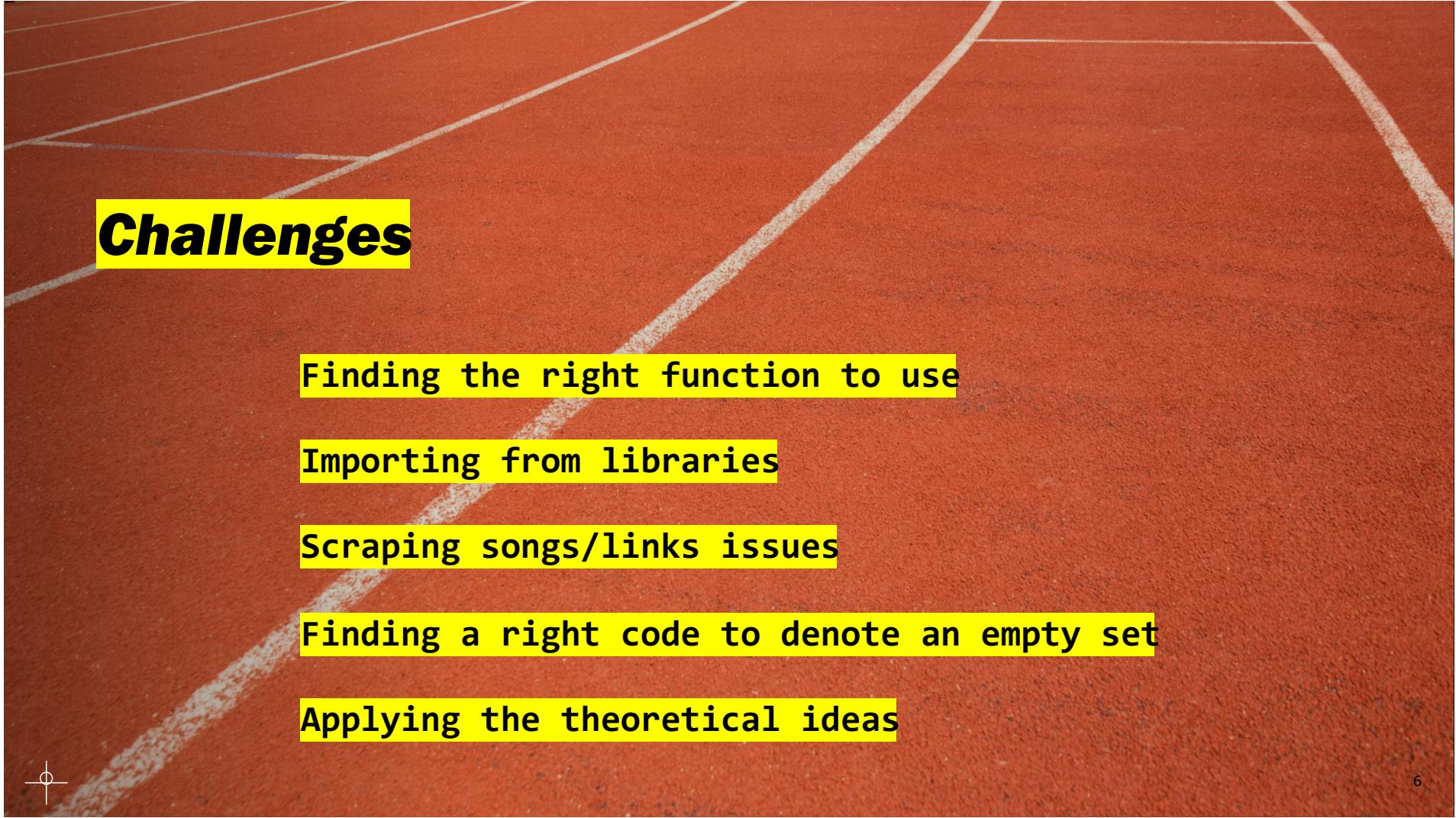
+ Code + Text

```
[35] songs_100 = pd.DataFrame({'song':song,'artist':artist})  
[35] songs_100.head(100)
```

	song	artist
0	Butter	BTS
1	Good 4 U	Olivia Rodrigo
2	Levitating	Dua Lipa Featuring DaBaby
3	Leave The Door Open	Silk Sonic (Bruno Mars & Anderson .Paak)
4	Save Your Tears	The Weeknd & Ariana Grande
...
95	All I Know So Far	P!nk
96	Hold On	Justin Bieber
97	Wasted On You	Morgan Wallen
98	Outside	MO3 X OG Bobby Billions
99	Botella Tras Botella	Gera MX + Christian Nodal

100 rows x 2 columns

```
▶ def recommender():  
    from random import randint  
    #input from user  
    song=input("Pick a song from the playlist ")  
  
    if len(song)==0 or song == "0":  
        print("Lost in thoughts?")  
    else:  
        song=song.lower() #convert input to lowercase  
        songs_100["song"] = songs_100["song"].apply(lambda x:x.lower())  
        filter_song=songs_100[songs_100["song"]==song]
```



Challenges

Finding the right function to use

Importing from libraries

Scraping songs/links issues

Finding a right code to denote an empty set

Applying the theoretical ideas

Thank you!

