

# READ.ME

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## 1 Data Collection

The data collection follows a two steps procedure.

1. Genius API and Spotify API implemented in Python.

The script connects via the Spotify API to the user account and downloads id's, artist name(s), and track title of the chosen playlist:

- **CSS\_project**
- **CSS\_2000**

Using the song title and artist name, the songs are searched in the collection of Genius.com. If the song is found, its lyrics is downloaded and stored in a csv file together with the corresponding Spotify track id.

2. Spotify API implemented in R

The script connects via Spotify API to the user account and downloads all possible data from the chosen playlist. However, the download is limited to 100 songs. The data is stored in an R data frame and joined with the csv file containing the lyrics.

## 2 Before running the code

### 1. Authentication

To run the code, the personal access keys for Spotify API and Genius API are necessary. Below are reported my keys.

```
SPOTIFY_CLIENT_ID = '2c669a0abee947ab93e91c49243b7e49'
```

```
SPOTIFY_CLIENT_SECRET = '5e39ddf8cb46472d8b412e87c4563489'
```

```
Account name = 'luciahrovatin'
```

```
GENIUS_KEY =
```

```
'7Z0FyQZJxbFVrPLCp3KCDDY1MY0N2U_O1vER2BIBBWYSfNL19hAZEjzIkWkJccXD'
```

2. Find the playlists

The playlists are publicly available at the following links:

- **CSS\_project**: <https://open.spotify.com/playlist/6lAzVorsMoZq3vSYQ01L1y?>

si=a623926e15c74b4e

- **CSS\_2000**: [https://open.spotify.com/playlist/3Ir71PTD9niR2MFLGwi8Kg?](https://open.spotify.com/playlist/3Ir71PTD9niR2MFLGwi8Kg?si=366795b559e54d87)

si=366795b559e54d87

Before the download, the playlists must be saved within the playlists of the user.