

Cloud Computing

Project 2

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User manual

1. Initial screen of the app

One the app is opened, a user can see the screen with two panels: sidebar panels with controls and an empty panel as a placeholder for plots presented.

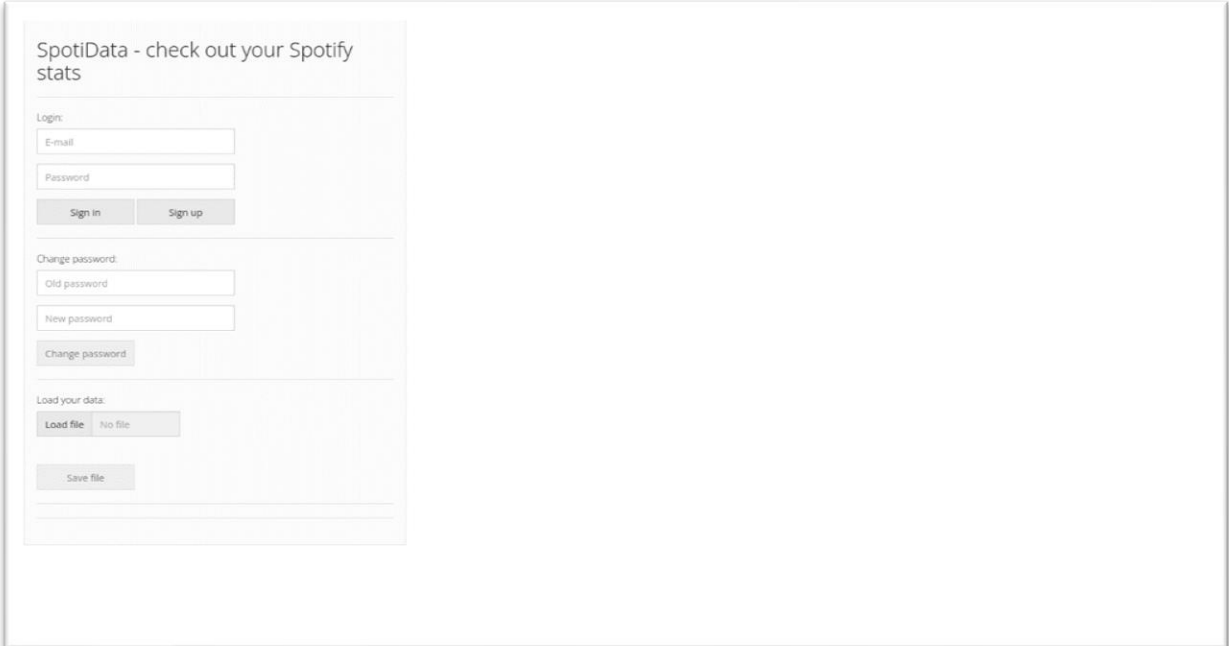


Fig. 1 Initial screen

On the left hand side, there are controls allowing users to sign in or sign up, change password, load files and save loaded files to the database for later use. User is not logged in by default and thus, the functionalities of password change and file saving are disabled at the moment.

2. File upload

All users can upload JSON files obtained from Spotify for visualization. To do it, they have to click “Load file” button and select the file to be loaded. In this case, the user has not logged in yet so he cannot store the file in the app.

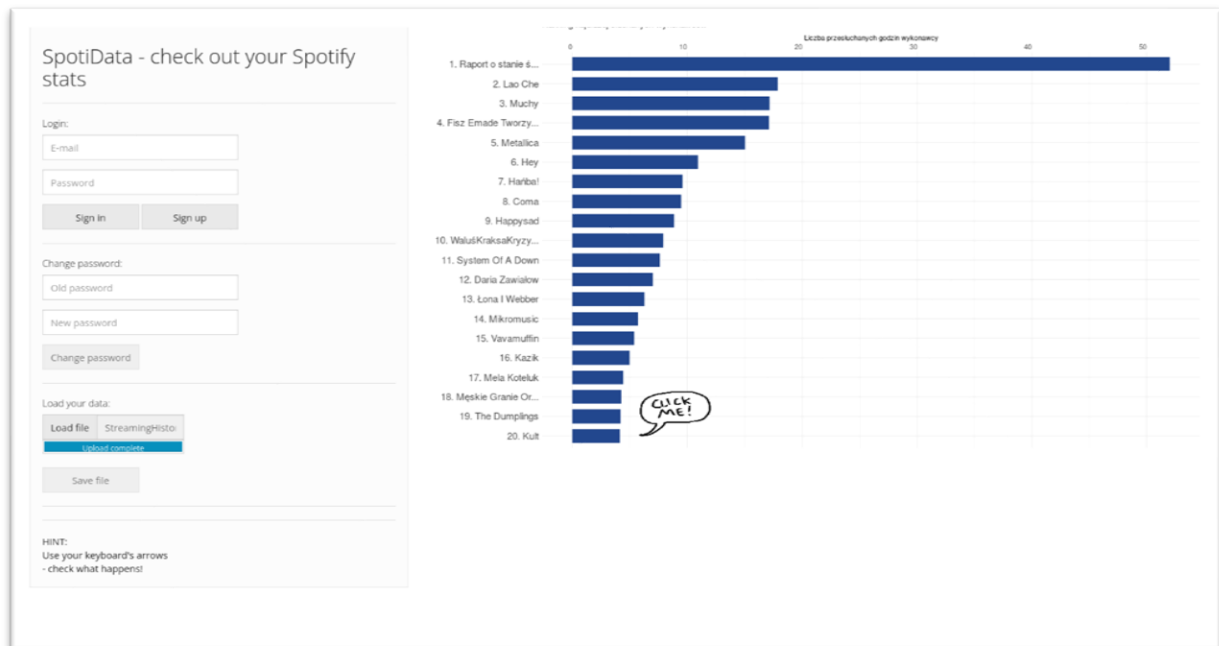


Fig. 2 Loaded data

In the bottom left corner there is a hint to navigate through the plot using the keyboard's arrows.

3. Signing up

Once the user wants to set up a new account, he/she needs to provide an e-mail address and password in the top 2 inputs on sidebar panel. The password should be at least 8-character long, and consist of at least one lowercase letter, one uppercase letter, one number and a special character. To register, click “Sign up” button. In case of any failure, adequate message is displayed under the button. New users must confirm the e-mail address by clicking a link sent automatically to the inbox.

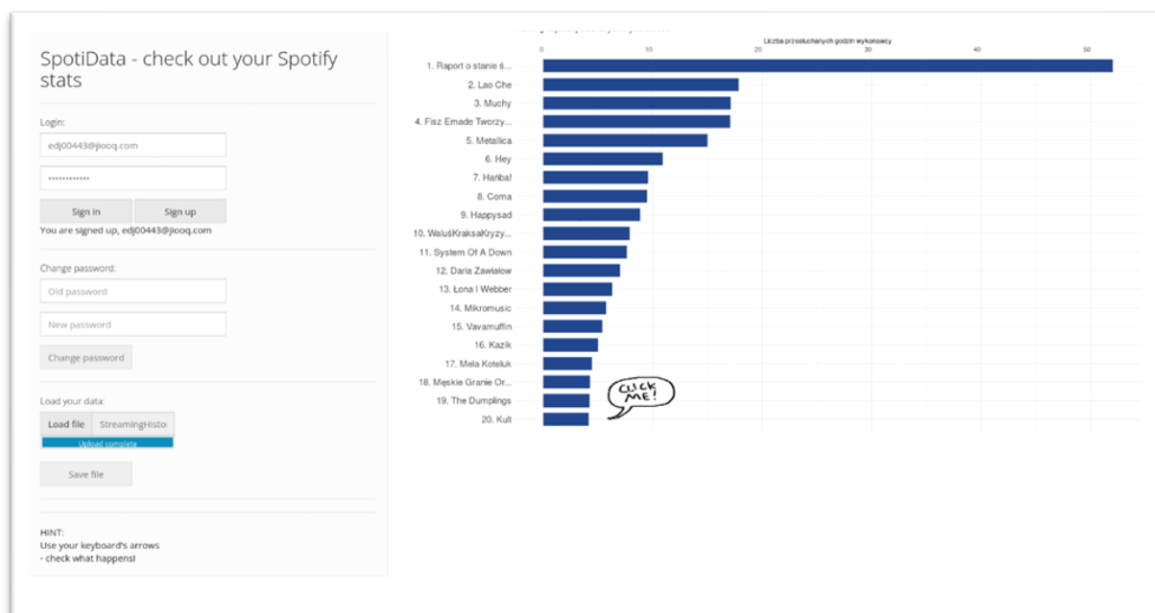


Fig. 3 User correctly signed up

4. User login

After signing up and confirmation, users are eligible to successfully log in to the app. Again, e-mail and password must be provided and “Sign in” button clicked.

The screenshot shows the SpotiData login interface. The left sidebar contains a login form with the following elements:

- Title: "SpotiData - check out your Spotify stats"
- Login section: Email input field (containing "edj00443@jooq.com"), password input field (masked with dots), "Sign in" button, and "Sign up" button.
- Feedback: A message "User is not confirmed." is displayed below the login buttons.
- Change password section: "Old password" and "New password" input fields, and a "Change password" button.
- Load your data section: "Load file" and "StreamingHisto" buttons, a "Load file" button (highlighted in blue), and a "Save file" button.
- Hint: "HINT: Use your keyboard's arrows - check what happenst!"

The right sidebar displays a horizontal bar chart titled "Liczba przesłuchanych godzin wykonawcy" (Number of listening hours by artist). The chart lists 20 artists and their corresponding listening hours. The first artist, "1. Raport o stanie s...", has the highest value at approximately 50 hours. A speech bubble with the text "CLICK ME!" is positioned near the bottom of the chart.

Rank	Artist	Listening Hours (approx.)
1	Raport o stanie s...	50
2	Leo Che	25
3	Muchy	24
4	Fisz Emade Tworzy...	23
5	Metallica	22
6	Hey	21
7	Haribal	20
8	Coma	19
9	Happysad	18
10	WalusKraksaKryzy...	17
11	System Of A Down	16
12	Daria Zawiałow	15
13	Lona I Webber	14
14	Mikromusic	13
15	Vavamuffin	12
16	Kazik	11
17	Mela Koteluk	10
18	Męskie Granie Or...	9
19	The Dumplings	8
20	Kult	7

Fig. 4 Not confirmed user tries to sign in

The screenshot shows the SpotiData login interface after a successful login. The left sidebar contains the same login form as in Fig. 4, but with the following changes:

- The "Sign in" button is now disabled.
- The "Sign up" button is now disabled.
- The "Change password" button is now enabled.
- The "Load file" button is now disabled.
- The "StreamingHisto" button is now disabled.
- The "Load file" button (highlighted in blue) is now disabled.
- The "Save file" button is now disabled.
- The "HINT" text is now "HINT: Use your keyboard's arrows - check what happenst!"

The right sidebar displays the same horizontal bar chart as in Fig. 4, with the same data and the "CLICK ME!" speech bubble.

Fig. 5 Successful login

Once again, if anything goes wrong, a message is displayed under “Sign in / Sign up” buttons. Otherwise, the user is logged in and “Change password” button is enabled.

5. Password change

Logged users may change the password in the second section of sidebar panel. Old password and new password proposition must be entered in the text inputs. After clicking the button, either “Password changed successfully” or the error message is displayed.

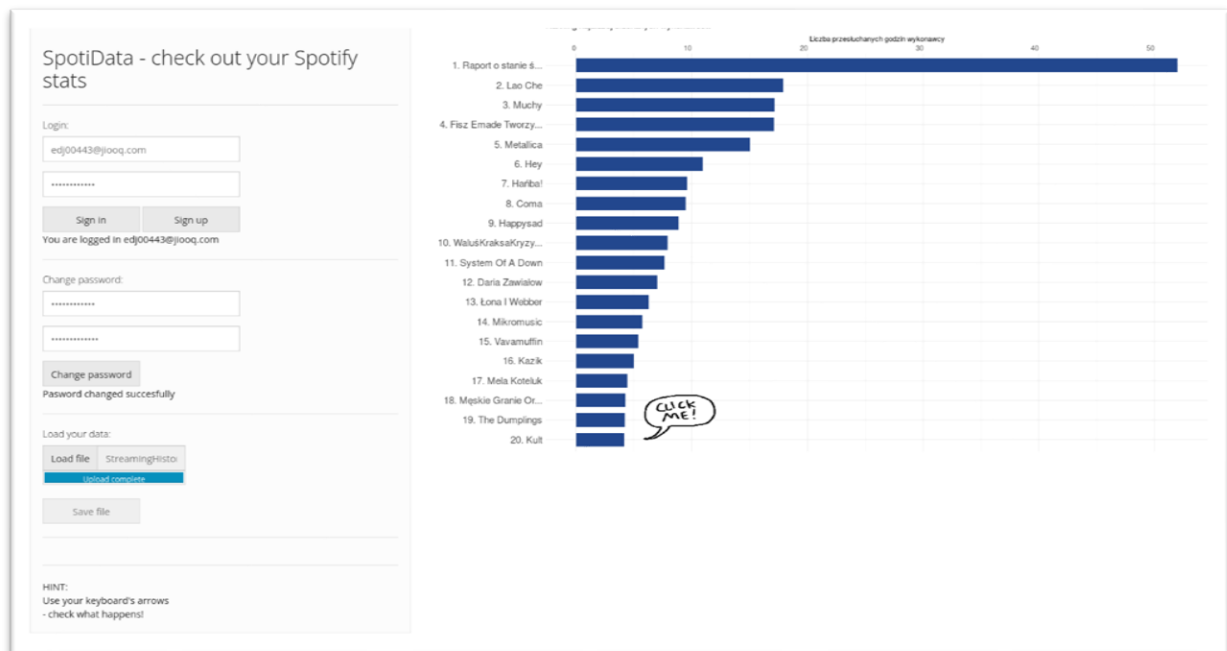


Fig. 6 Password change scenario

6. Signed in user file upload

Since the user is signed in, after new file upload the “Save file” button becomes enabled. It can be used in order to store the file on the way forward.

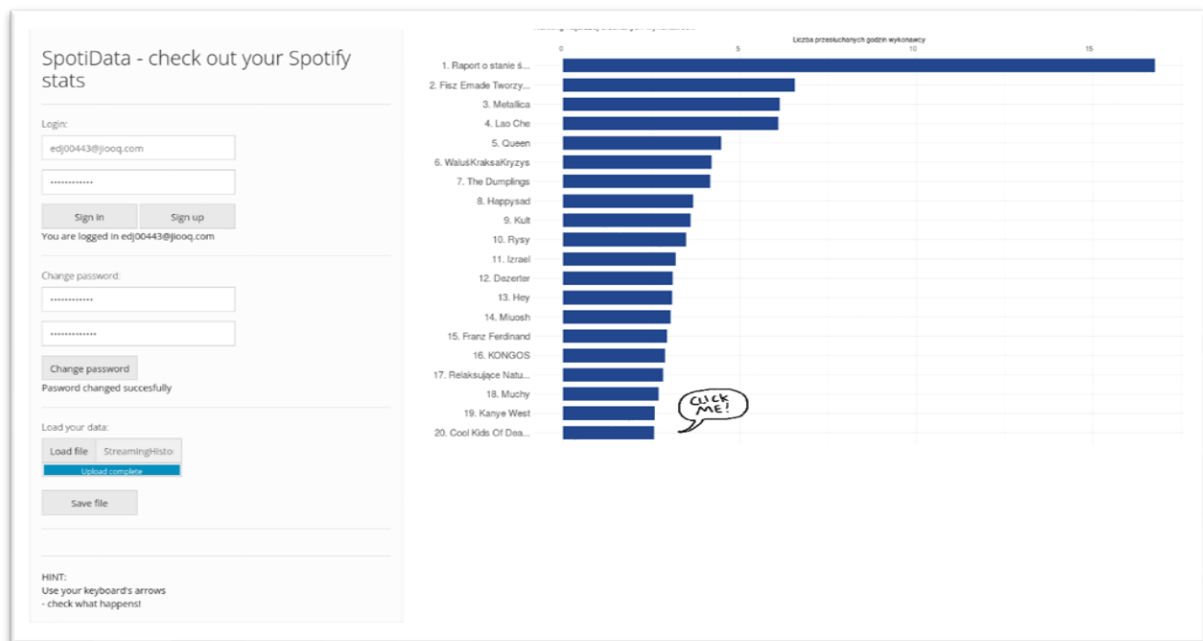


Fig. 7 Signed in user is allowed to save the file

Once the file is saved, the current list of user's available files is updated and listed in the last but one section. Moreover, trash buttons appear so that the files may be deleted from the database.

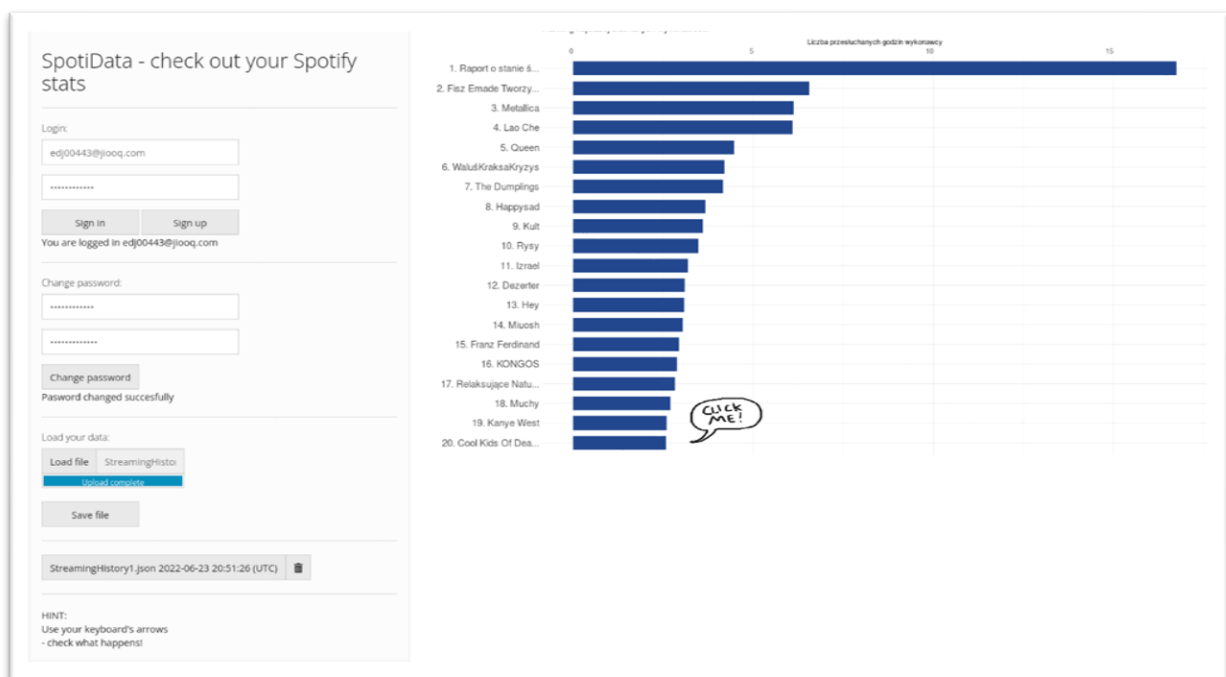


Fig. 8 View after file save

7. Files removal

On user's demand, there is a possibility to delete stored files from the system. To do it, click the trash button next to the file to be removed.

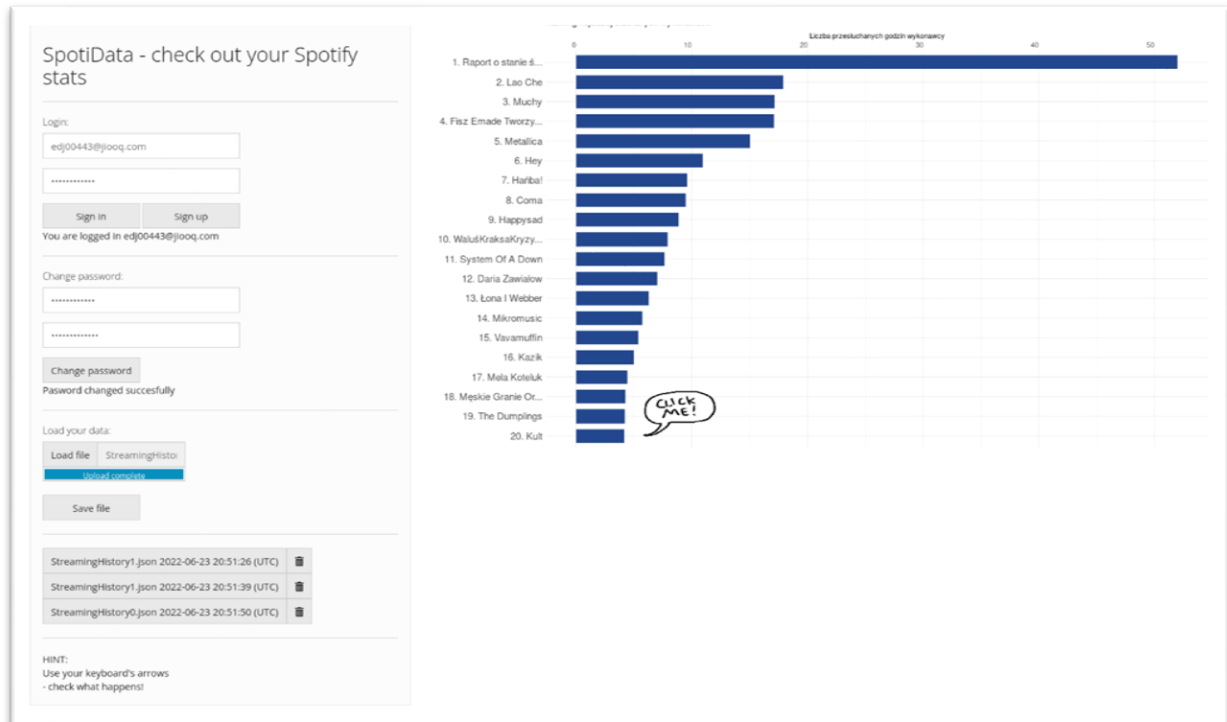


Fig. 9 List of files before removal

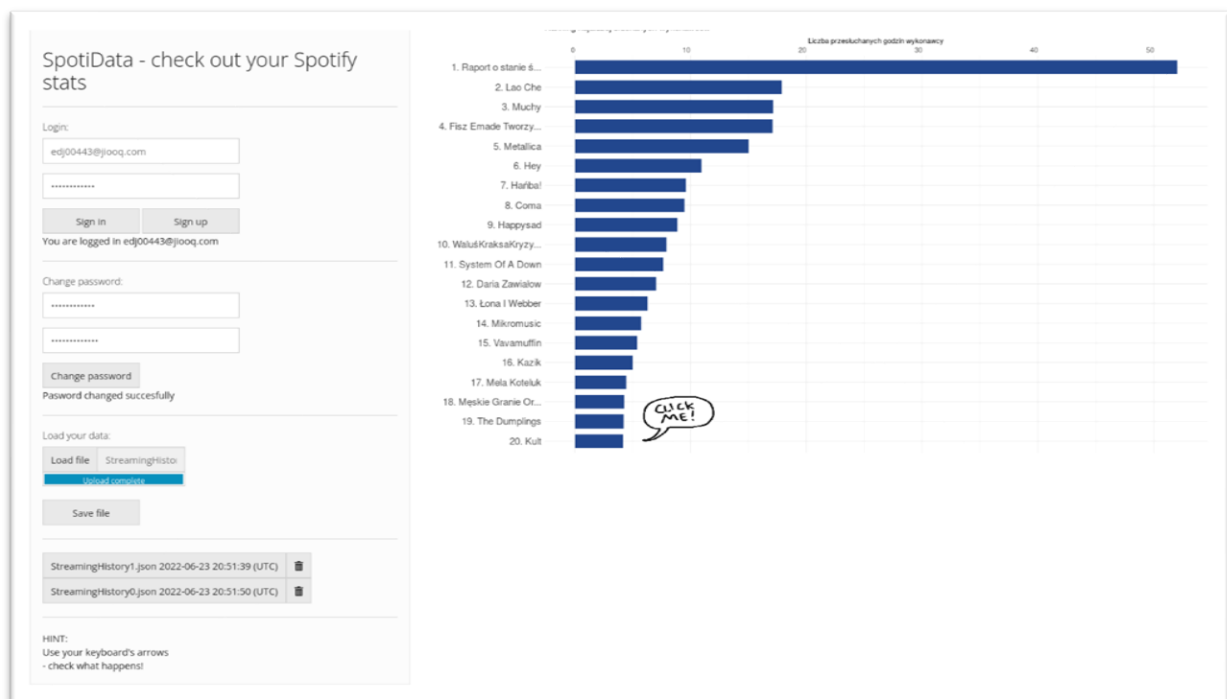


Fig. 10 List of files after removal

In this case, the first listed file has been removed.

8. Plots navigation

In any of the following scenarios, after file upload, the user can navigate through the plots panels by using keyboard's arrows and clicking on it.

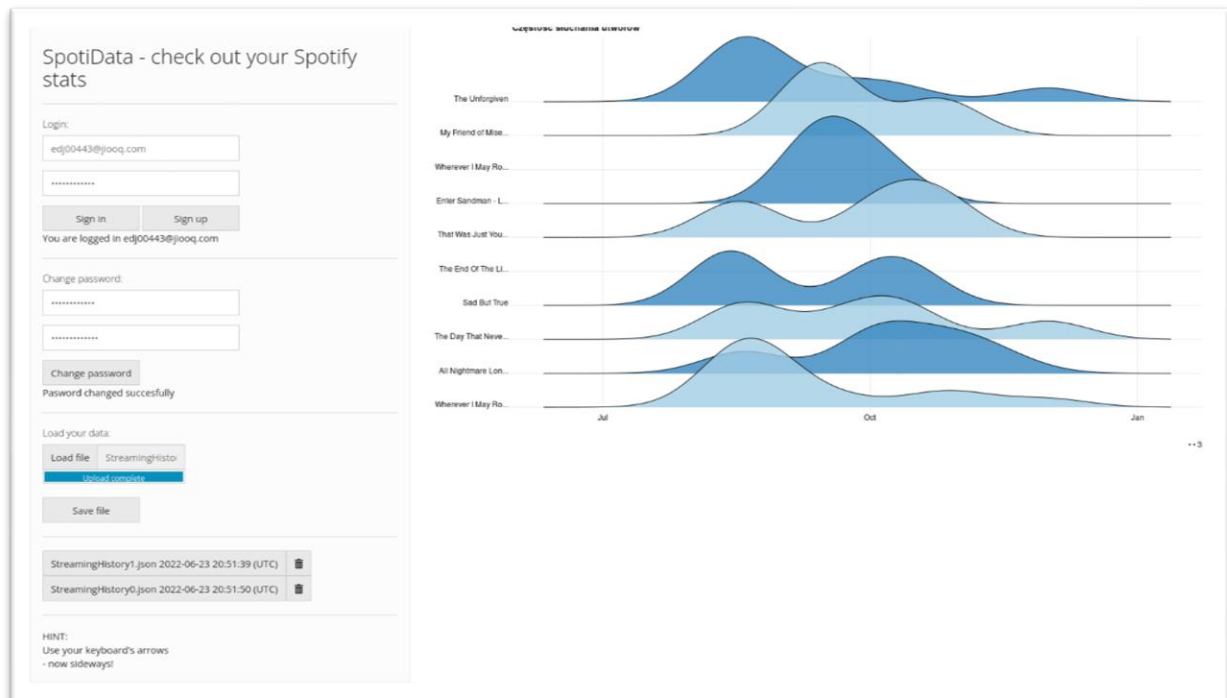


Fig. 11 One of the subplots