Project Description

Whenever we're performing analysis, we need to formulate hypotheses that we can then test. Sometimes we accept these hypotheses; other times, we reject them. To make the right decisions, a business must be able to understand whether or not it's making the right assumptions.

In this project, you'll compare the music preferences of the cities of Springfield and Shelbyville. You'll look at real Yandex.Music data to test the hypotheses below and compare user behavior for these two cities.

Hypotheses

> User activity differs depending on the day of the week and from city to city.
>
> On Monday mornings, Springfield and Shelbyville residents listen to different genres. This is also true for Friday evenings.
>
> Springfield and Shelbyville listeners have different preferences. In Springfield, they prefer pop, while Shelbyville has more rap fans.

Description of the data

The data is stored in the file `/datasets/music_project_en.csv`. Alternatively, you can download it here.

Description of columns:

- `'userID'` — user identifier
- `'Track'` — track title
- `'artist'` — artist's name
- `'genre'`
- `'City'` — user's city
- `'time'` — the exact time the track was played
- `'Day'` — day of the week

Below, you'll find your completed knowledge map with everything you've learned throughout journey in Basic Python. You've covered quite a lot of ground! Congratulations!