SEARCH 🔍

RESOURCES

CONCEPTS

✓ 1. Introduction

✓ 2. Project Datasets

✓ 3. Project Instructions

✓ 4. Project Workspace

5. Project: Data Modeling with Postg...

Knowledge

Get learning questions answered

```
song_data/A/B/C/TRABCEI128F424C983.json
song_data/A/A/B/TRAABJL12903CDCF1A.json
```

And below is an example of what a single song file, TRAABJL12903CDCF1A.json, lo

```
{"num_songs": 1, "artist_id": "ARJIE2Y1187B994AB7", "artist_latitude": null, "arti
```

Log Dataset

The second dataset consists of log files in JSON format generated by this **event si**
songs in the dataset above. These simulate app activity logs from a music streami
specified configurations.

The log files in the dataset you'll be working with are partitioned by year and mon
are filepaths to two files in this dataset.

```
log_data/2018/11/2018-11-12-events.json
log_data/2018/11/2018-11-13-events.json
```

And below is an example of what the data in a log file, 2018-11-12-events.json, loc

	artist	auth	firstName	gender	itemInSession	lastName	length	level	location	method	page	registration	sessionId	song	s
0	None	Logged In	Celeste	F	0	Williams	NaN	free	Klamath Falls, OR	GET	Home	1.541078e+12	438	None	
1	Pavement	Logged In	Sylvie	F	0	Cruz	99.16036	free	Washington-Arlington-Alexandria, DC-VA-MD-WV	PUT	NextSong	1.540266e+12	345	Mercy:The Laundromat	
2	Barry Tuckwell/Academy of St Martin-in-the-Fie...	Logged In	Celeste	F	1	Williams	277.15873	free	Klamath Falls, OR	PUT	NextSong	1.541078e+12	438	Horn Concerto No. 4 in E flat K495: II. Romanc...	
3	Gary Allan	Logged In	Celeste	F	2	Williams	211.22567	free	Klamath Falls, OR	PUT	NextSong	1.541078e+12	438	Nothing On But The Radio	
4	None	Logged In	Jacqueline	F	0	Lynch	NaN	paid	Atlanta-Sandy Springs-Roswell, GA	GET	Home	1.540224e+12	389	None	

If you would like to look at the json data within log_data files, you will need to cre
the data. Remember to first import json and pandas libraries.

```
df = pd.read_json(filepath, lines=True)
```

For e.g., `df = pd.read_json('data/log_data/2018/11/2018-11-01-events.json', li`
read the data file 2018-11-01-events.json

In case you need a refresher on JSON files, here is a helpful video from **Udacity's**
course talking about the JSON files format.

Search or ask questions in **Knowledge**.