



Music
Technology
Group

El Bongosero: A Crowd-sourced Symbolic Dataset of Improvised Hand Percussion Rhythms Paired with Drum Patterns

Authors: Nicholas Evans, Behzad Haki, Daniel Gómez-Marín, Sergi Jordà

ISMIR 2024

Overview



Requested by Centre de Cultura Contemporània de Barcelona (CCCB) to prepare an interactive installation focused on data

Objective

Create a large-scale, open-source crowd-sourced dataset from consenting participants

Introduction

El Bongosero Dataset

Overview

Motivation

Performed symbolic datasets are rare! Even more so, when focused on diversity of participants

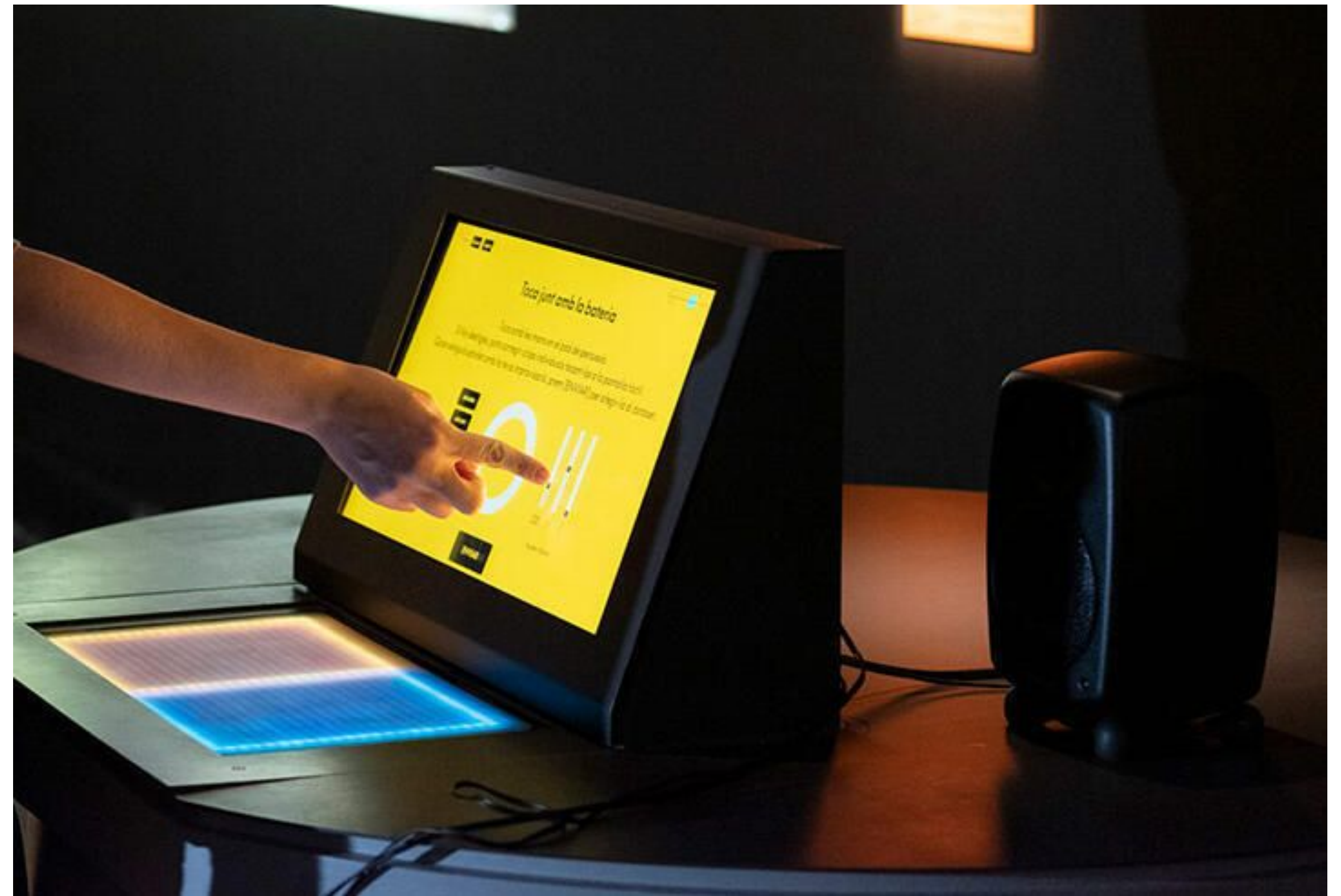
Objectives:

- Collect a large scale rhythm dataset
- Focused on improvised accompaniment
- From a set of participants with a diverse experience level



Installation Overview

- Participants were invited to use a MIDI pad to tap along to a multivoice drum pattern in a genre and tempo of their choosing
- Upon completing the task, the participant could choose to contribute their tapped, improvised sequence to our public dataset

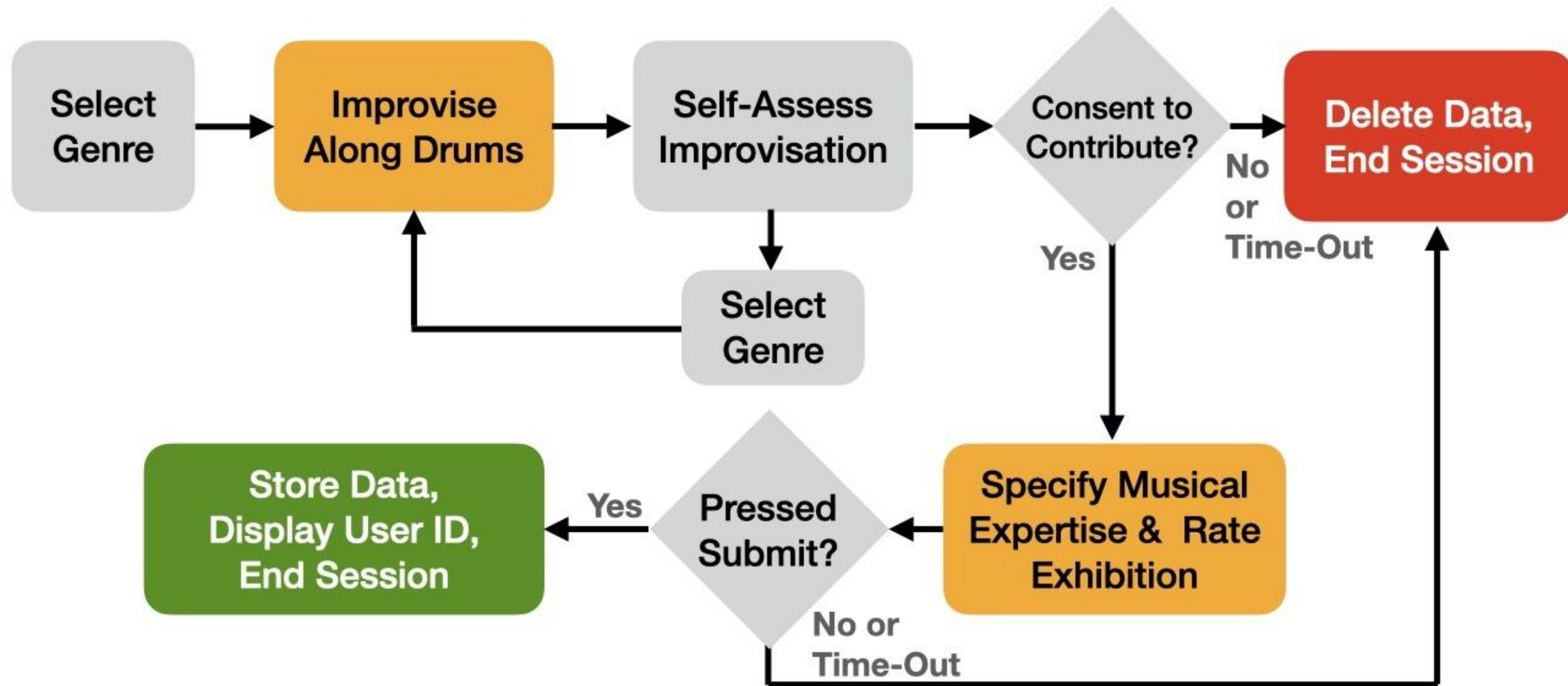


Introduction

El Bongosero Dataset

Installation

Data Collection Flow



User Privacy

- Build trust with participants
- No demographic questions!
- Only ask to self-rate expertise
- Keep reminding users about the nature of the exhibition

How would you assess your level of musical expertise?

☐ None ☐ Very basic ☐ Intermediate ☐ Proficient ☐ Expert

How much did you enjoy this exhibit?

☐ Not at all ☐ Very little ☐ So-so ☐ Quite a lot ☐ Loved it!

SUBMIT

Introduction

El Bongosero Dataset

User Privacy

Summary

- 6,035 improvisations
- 3,184 participants

	Level of Musical Expertise				
	1	2	3	4	5
No. participants	392	915	805	594	478
Attempt count	691	1692	1536	1074	1042
Mean no. attempts	1.76	1.85	1.91	1.81	2.18
Unique patterns	433	720	691	562	553

Summary

<https://elbongosero.github.io/>

[DOWNLOAD DATASET & API](#)

[EXPLORE DATASET IN COLAB](#)

Disco

source_21

Level 4 v

Attempt 2



Introduction

El Bongosero Dataset

Access

Contact Us

nicholas.evans@upf.edu

behzad.haki@upf.edu

sergi.jorda@upf.edu

Introduction

El Bongosero Dataset