Code Book of Data

Data from:

Aryanto, C.B., & Von Bastian, C. (2022). Why Are Active Music-Making and Working Memory Related? Testing the Roles of Sensory Discrimination.
https://osf.io/bdj9g

Table containing aggregated data:

df_cleaned.csv contains data of demographic, MDT, CABAT, GOLD-MSI and working memory capacity.

Table containing row data:

demographic.csv contains basic information about the sample (sex, gender, age, etc.)
MDT.csv contains the scores and standard error measurement of Melodic Discrimination Testing(MDT).
CABAT.csv contains the scores and standard error measurement of Computerized Adaptive Beat Alignment Test(CA-BAT).
GOLD-MSI.csv contains the scores of Goldsmith Musical Sophistication Index(Gold-MSI).
WMC.csv contains the participant's task difficulty and ratio of their correct recall.
processing.csv contains the participant's processing performance.

Variables used in Study

Variables	Description(value range)	Data frame	Origin(row data)
MDT. ability	the scores of MDT. (-4 ~ 2.5)	df_cleaned.csv	MDT.csv
BAT. ability	the scores of CA-BAT. (-4 ~ 2.5)	df_cleaned.csv	BAT.csv
generalSophistication	The score of general musical sophistication. (20 ~ 110)	df_cleaned.csv	GOLD-MSI.csv
WMC3	The average ratio for recall on set size 3 on WMC task. (0 ~ 1)	df_cleaned.csv	WMC.csv
WMC6	The average ratio for recall on set size 6 on WMC task. (0 ~ 1)	df_cleaned.csv	WMC.csv
processing	participant's processing performance. (0 ~1)	df_cleaned.csv	Processing.csv
extId	Participant's ID.	df_cleaned.csv	demographic.csv
Age	Participant's age. (18 ~ 35)	df_cleaned.csv	demographic.csv
BioSex	Participant's biological sex.	df_cleaned.csv	demographic.csv
Ethnicity	Participant's ethnicity.	df_cleaned.csv	demographic.csv
Education	Participant's education level.	df_cleaned.csv	demographic.csv
LAQ_music	How often the participant played music in the past year. (1 ~ 6)	df_cleaned.csv	demographic.csv