

LONGGOLD WORKSHOP

am Freitag,
17. Februar 2023



VORMITTAG

9.00 Uhr	Ankunft und Kaffee
9.30 Uhr	Begrüßung und Vorstellung der Workshop- Teilnehmer*innen
10.00 Uhr	Wie funktioniert das LongGold-Projekt?
11.45 Uhr	Kaffeepause
12.05 Uhr	Ergebnisse
13.10 Uhr	Mittagspause

LONGGOLD WORKSHOP

am Freitag,
17. Februar 2023



NACHMITTAG

- | | |
|-----------|--|
| 14.30 | The next generation: Spin-offs und Kollaborationen |
| 15.00 Uhr | Berührungspunkte: Verwandte Ideen und Projekte |
| 16.00 Uhr | Kaffeepause |
| 16.30 Uhr | Möglichkeiten für die Schulpraxis |
| 18.30 Uhr | Abendessen |



Idee und Ziele des LongGold-Projektes

DANIEL MÜLLENSIEFEN, GOLDSMITHS, UNIVERSITY OF LONDON & UNIVERSITY OF MUSIC, DRAMA & MEDIA, HANNOVER

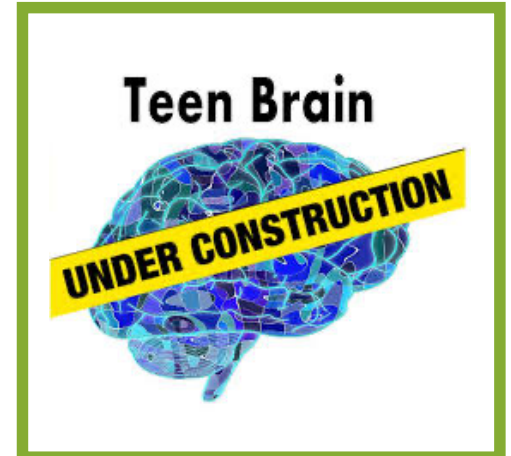
A solid dark grey horizontal bar spanning the width of the slide, located at the bottom.

The Question

What role do musical abilities and activities play in human development across the teenage years?

Adolescence

- Greater social and economic independence
- Development of identity
- Acquisition of new social skills
- The capacity for rationalised decision making, planning and abstract reasoning.
- **Pivotal period for role of music in later life**

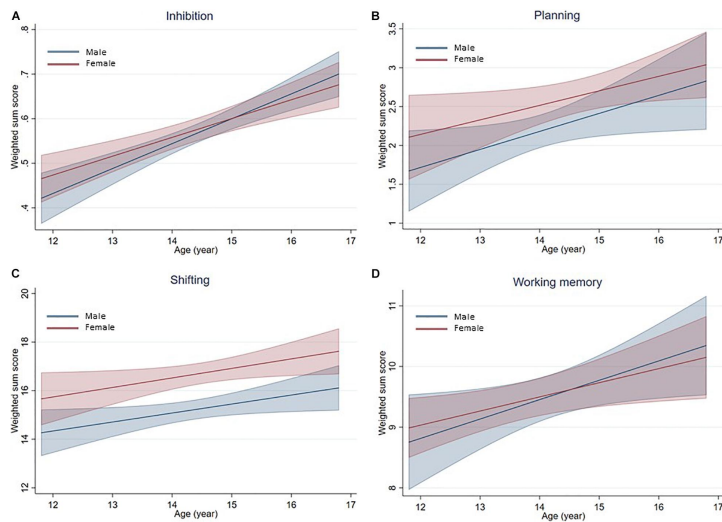


The core questions

- How do personality, cognitive and social skills co-develop with musical abilities?
- What are causal factors driving musical development?
 - => *Who will take up music seriously?*
 - => *Who will give it up again?*
- How does academic achievement benefit from engagement with music?
- How does music compare to the effects of other leisure activities?

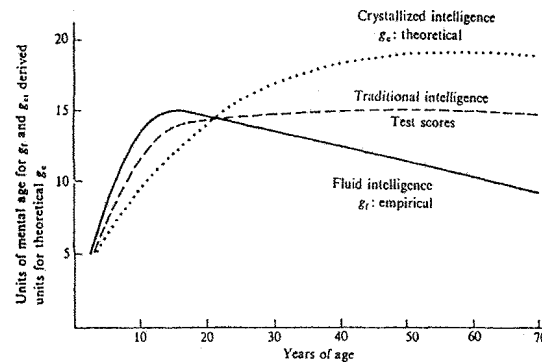
Developmental trajectories of important cognitive and psycho-social variables during adolescence

Executive functions

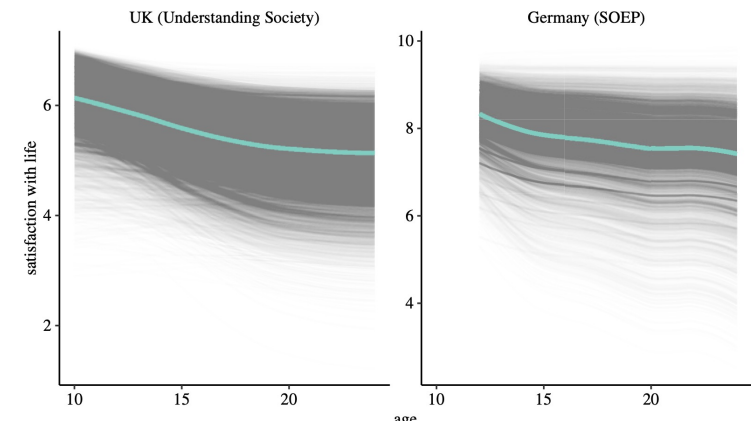


Laureys et al., (2021)

Intelligence



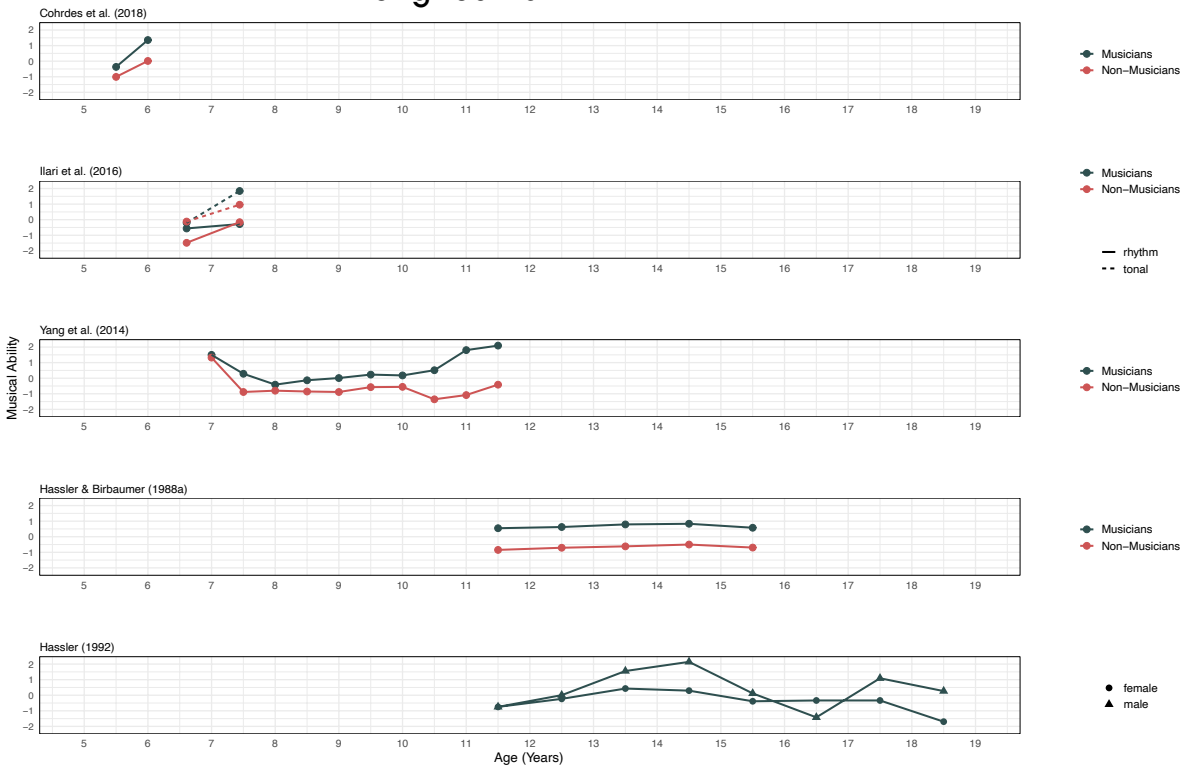
Life satisfaction



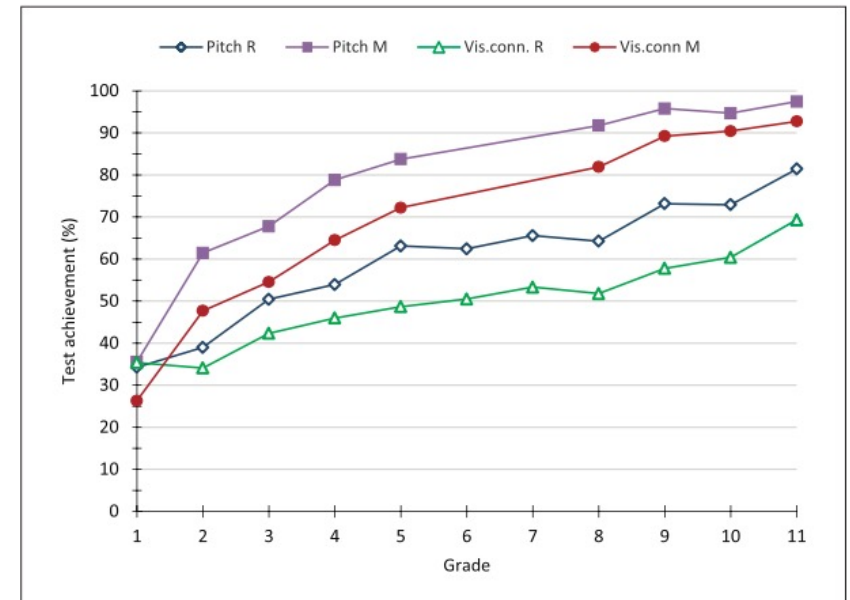
Orben et al., (2022)

But only few quantitative studies of musical development

Longitudinal



Cross-sectional



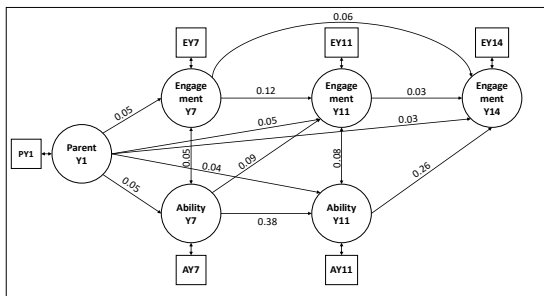
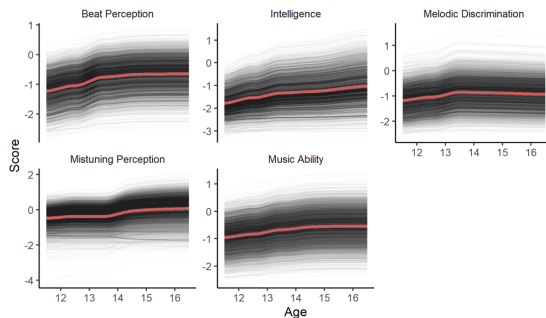
(Asztalos & Csapó, 2016)

LongGold Study



Longitudinal assessment of musical abilities, cognitive skills, academic performance, personality, and psycho-social variables across secondary school years

Why?



- Description of musical development due to maturation, training, and individual differences factors
- Causal factors driving musical development and activity
- Transfer effects from
 - Music => Other Domains
 - Other Domains => Music
- Is music special when compared to sports and theatre activities?

Different from other Studies

- No systematic music intervention
- Covering adolescent period
- Focus on **musical development** AND four other domains:
 - cognitive abilities
 - academic achievement
 - psycho-social variables
 - personality traits

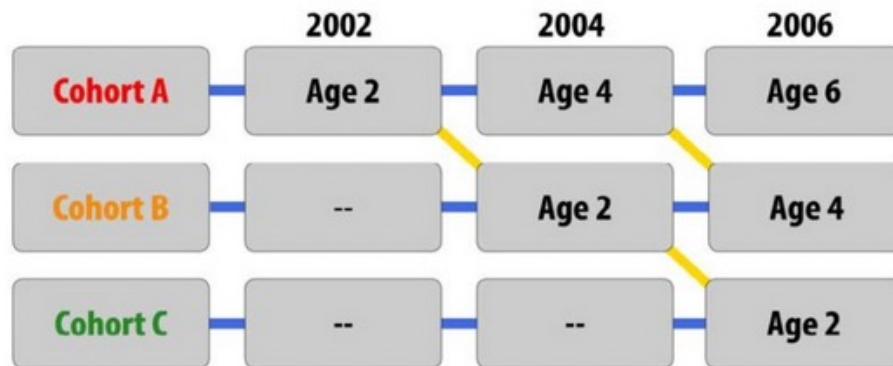
How?



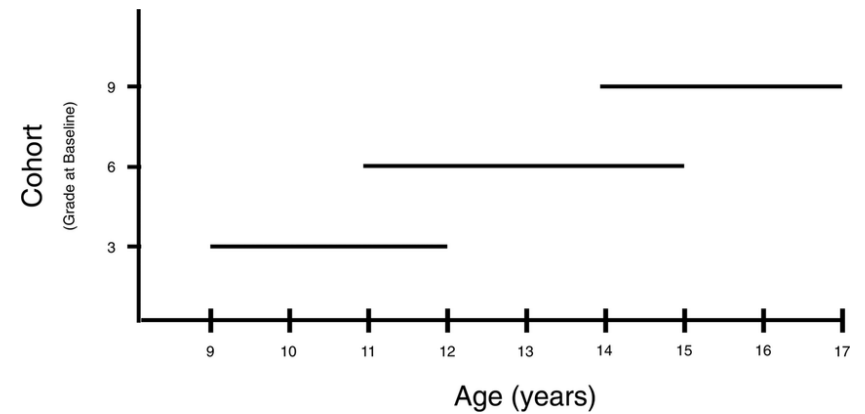
- Annual assessment over 5 to 7 years
- ~4000 students from secondary schools in UK and Germany
- Comprehensive battery of tests and questionnaires in 90 mins,
 - Musical abilities (listening skills)
 - Cognitive skills (IQ, working memory)
 - Personality (Big 5 traits)
 - Psycho-social variables (growth mindset, personal strengths and difficulties, school engagement, social and academic self-concepts)
 - Musical and leisure activities
 - Demographics
- Academic grades from school
- Browser-based test interface under supervision in classrooms

Study Design

Cohort-Sequential Design

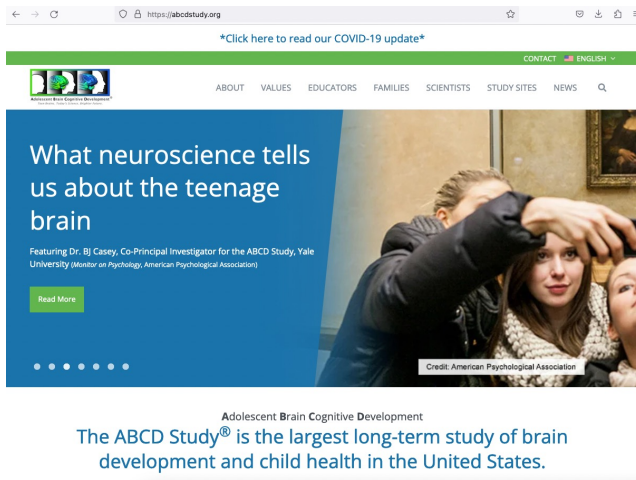


Accelerated Longitudinal Design



Flexibility in study design

LONGGOLD



- Define core measurements and set of optional tests
- Drop and replace test from one year to next
- Produce data for answering new questions following previous analyses
- Data resource for answering many, many interesting questions, similar to ABCD study on general development

LONGGOLD

A continuous generator for music psychology data!



LONGGOLD A great team effort!



More at longgold.org



Nina Düvel, Miriam Eisinger, Amy Fancourt, Daniel Fiedler, Klaus Frieler, Peter Harrison, Frank Höger, Dania Hollemann, Reinhard Kopiez, Philippe Labonde, Hsin-Rui Lin, Chloe MacGregor, Daniel Müllensiefen, Viola Pausch, Nicolas Ruth, Kilian Sander, Sebastian Silas, Mareike Weiser + data collection assistants + teachers and school management teams + children and parents!

Funded by



Alexander von Humboldt
Stiftung/Foundation