

Reflection Across AI-based Music Composition - Questionnaire Items

The items below include the necessary items used to report and repeat the findings in the paper. The questionnaire was hosted on a shared word doc. Text in *grey and italics*, and headings, were not shown to participants. Please refer to the cited papers for instructions on calculating metrics.

Pre-Task

Background

What is your age?

What is your gender?

Describe below your experiences in writing music?

What style of music do you typically write?

For what ensembles/groups do you usually write music?

Please link any composition portfolios that help to demonstrate your musical expertise.

Goldsmiths MSI (Müllensiefen et al., 2014)

Please indicate the extent to which you agree with the following statements:

Option: Completely Disagree, Strongly Disagree, Disagree, Neither Agree Nor Disagree, Agree, Strongly Agree, Completely Agree

- I spend a lot of my time doing music-related activities.
- I enjoy writing about music, for example on blogs and forums.
- If somebody starts singing a song I don't know, I can usually join in.
- I can sing or play music from memory.
- I am able to hit the right notes when I sing along with a recording.
- I can compare and discuss differences between two performances or versions of the same piece of music.
- I have never been complimented for my talents as a musical performer. (*Reversed*)
- I often read or search the internet for things related to music.
- I am not able to sing in harmony when somebody is singing a familiar tune. (*Reversed*)
- I am able to identify what is special about a given musical piece.
- When I sing, I have no idea whether I'm in tune or not. (*Reversed*)
- Music is kind of an addiction for me - I couldn't live without it.
- I don't like singing in public because I'm afraid that I would sing wrong notes. (*Reversed*)
- I would not consider myself a musician. (*Reversed*)
- After hearing a new song two or three times, I can usually sing it by myself.

Please fill in the gap for the following statement, selecting the option nearest to the value which fits best. "I engaged in regular, daily practice of a musical instrument (including voice) for ____ years."

- 0
- 1
- 2
- 3

- 4-5
- 6-9
- 10 or more

Please fill in the gap for the following statement, selecting the option nearest to the value which fits best. "At the peak of my interest, I practiced ____ hours per day on my primary instrument."

- 0
- 0.5
- 1
- 1.5
- 2
- 3-4
- 5 or more

Please fill in the gap for the following statement, selecting the option nearest to the value which fits best. "I can play ____ musical instruments"

- 0
- 1
- 2
- 3
- 4
- 5
- 6 or more

Complete the following statement. Feel free to write none if you can't play any instruments. "The instrument I play best (including voice) is _____".

Self-Reflection and Insight Scale (Grant et al., 2002)

Please indicate the extent to which you agree with the following statements...

Options: of "Strongly Disagree" to "Agree" placed on either end of a 6-point scale.

- I don't often think about my thoughts. *(Reversed)*
- I rarely spend time in self-reflection. *(Reversed)*
- I frequently examine my feelings.
- I don't really think about why I behave the way that I do. *(Reversed)*
- I frequently take time to reflect on my thoughts.
- I often think about the way I feel about things.
- I am not really interested in analysing my behaviour. *(Reversed)*
- It is important for me to evaluate the things that I do.
- I am very interested in examining what I think about.
- It is important to try and understand what my feelings mean.
- I have a definite need to understand the way that my mind works.
- It is important to me to be able to understand how my thoughts arise.
- I am usually aware of my thoughts.
- I'm often confused about the way that I really feel about things. *(Reversed)*
- I usually have a very clear idea about why I behaved in a certain way.
- I'm often aware that I'm having a feeling, but I often don't quite know what it is. *(Reversed)*
- My behaviour often puzzles me. *(Reversed)*
- Thinking about my thoughts makes me more confused. *(Reversed)*
- Often, I find it difficult to make sense of the way I feel about things.
- I usually know why I feel the way that I do.

Post-task Questionnaire

RiCEv2: Reflection in Creative Experience Questionnaire V2 (Ford and Bryan-Kinns, 2023)

Considering your recent experience of wAlve, please indicate the extent to which you agree with the following statements:

Options: of “Highly Disagree” to “Highly Agree” placed on either end of an 11-point scale.

- Whilst being creative, I liked to think about my actions and find alternative ways of doing them.
- I considered different ways of doing things.
- I found myself iteratively refining and assessing my creative process.
- I learned many new things about myself during the experience.
- I pondered over the meaning of what I was doing in relation to my personal experience.
- I often reappraised my experiences with the system so I could learn from them.
- I made comparisons within the system to consider alternative ways of doing things.
- I often generated, tested, and revised ideas.
- I made no comparisons within the system to consider alternative ways of doing things.

(Reversed)

References

- Ford, C., Bryan-Kinns, N., 2023. Towards a Reflection in Creative Experience Questionnaire, in: Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems, CHI '23. Association for Computing Machinery, New York, NY, USA. <https://doi.org/10.1145/3544548.3581077>
- Grant, A.M., Franklin, J., Langford, P., 2002. The Self-Reflection and Insight Scale: A New Measure of Private Self-consciousness. *Soc. Behav. Personal. Int. J.* 30, 821–836.
- Müllensiefen, D., Gingras, B., Musil, J., Stewart, L., 2014. The Musicality of Non-Musicians: An Index for Assessing Musical Sophistication in the General Population. *PLOS ONE* 9, 1–23. <https://doi.org/10.1371/journal.pone.0089642>