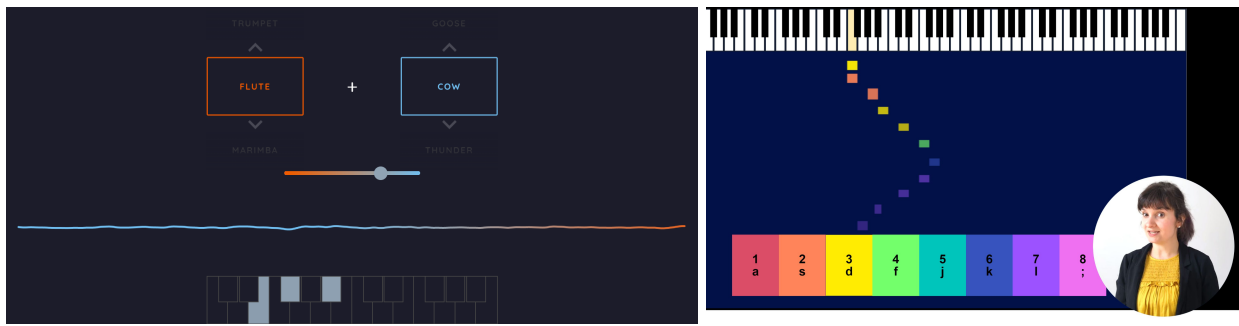


# Workshop offer on the topic Music and Artificial Intelligence

As part of our "MusKI" project, funded by the German Federal Cultural Foundation, we offer free workshops on the topic of artificial intelligence and music. Experience how humans and machines can creatively interact in music and discover their respective limits.



In our 90-minute online workshop, we will playfully explore different concepts of artificial intelligence (e.g. how a neural network works) and try out how we can make music together with an AI. For this we will use so-called Explorables. These are programs that run in the web browser, so they don't need to be installed separately. Explorables have a simple interface and can be tried out without prior knowledge. Thus, an intuitive understanding of individual aspects of the topic can be achieved without resorting to prefabricated answers.

In terms of content, we will deal with the following questions and topics:

- What is artificial intelligence?
- How does an AI learn?
- Different ways to make music together with an AI
  - Duet on the virtual piano
  - From reduced input (only 8 keys) an AI creates 'real' pieces of music
  - Influence the sound of the notes with the help of an AI
  - An AI continues to play the beginning of your melody
- Optional: What is art?

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open mathematics

Organizational key aspects:

**Price:** The workshop is free of charge.

**Duration:** 90 minutes

**Number of participants:** 20-25 people

**When:** in November or December 2022, the date is to be agreed upon individually

**Previous knowledge:** not required

**Language:** English or German (on request also in Spanish or French)

**Equipment:** The workshop will take place online, using Zoom software. We recommend one computer per participant (with an internet connection, camera, microphone, and headphones). It is also possible to work in groups of two.

**Target group:** The workshops are suitable for different target groups. We recommend a minimum age of 12 years.

If you are interested, please contact us promptly by email so that we can arrange your desired date. We will be happy to discuss any further questions.

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