

AI in Culture and Arts – Tech Crash Course

Introduction

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9th of April 2025

MUC.DAI
Munich Center for
Digital Sciences and AI



myt Hochschule
für Musik und Theater
München

1. What is AICA?

2. Course Content

3. Course Schedule

4. Evaluation

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What is AICA?



AI in Culture and Art
BIDT Digitalisierungskolleg



Bayerisches Forschungsinstitut
für Digitale Transformation

EIN INSTITUT DER BAYERISCHEN AKADEMIE DER WISSENSCHAFTEN

- Digitalization college
- Inclusive approach to digitalization
- Interdisciplinarity
- Project-based approach

aica-wavelab.github.io

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Block 1: Introduction, tutorials, and application of **deep learning** with **Python**

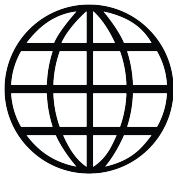
- Analyze the curation of the MoMA
- Predicting museum visitors in Bristol
- Image classification of artefacts

Block 2: AI for **audio**

- Fundamentals of AI in audio processing
- Hands-on exmples: speech recognition, music synthesis, audio style transfer

Block 3: AI for **image**

- Explore the creative potential of current AI image generation systems
- develop effective prompting strategies and critically reflect on the aesthetic, ethical and copyright implications



Course website

News and announcements

Practical infos

Relevant links

<https://aica-wavelab.github.io/tech-crash-course/>



GitHub repo

Source code

Tutorials

Assignments

<https://github.com/aica-wavelab/aica-assignments>

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- **Block 1:** 9th, 10th April
- **Block 2:** 6th, 7th Mai
- **Block 3:** 5th, 6th June
- **Submission Deadline:** 10th July

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- **Attendance:** Minimum 4/6 days (first day mandatory).
- **Knowledge test:** You must complete and pass a short test (there is no time boxing and you can use any resource).
- **Completion of in-class practical work:** Minimum 3/4 (first assignment mandatory)
 - HM students must submit 3/4 of the completed practical work by the end of the course. The first assignment A1 is mandatory.
 - HMTM students must submit the first assignment A1.

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**Any
questions?**