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

HM

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

bidt 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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Course Content: Three Blocks

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

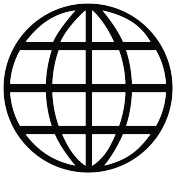
Block 2: AI for **audio**

- Fundamentals of AI in audio processing
- Hands-on exmples: speech recognizion, 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 Content: Course Resources



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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Course Schedule

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

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Evaluation Criteria

- **Attendance:** Minimum 4/6 days (first day mandatory)
- **Assignments:** Minimum 3/4 (first assignment mandatory)

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Any questions?