More Inclusive AI Pedagogy

Goal: Equal, accessible, and inclusive AI education, where both opportunities and challenges of AI use are made understandable to everyone.

ACCESS / Equal opportunity to participate

Accessible, barrier-free, and tailored exercises adapted to different abilities. Objective: Ensure all participants have access to devices and learning resources. Content and methods are designed to suit diverse groups, including those in need of special support.

Devices, accessibility, and security:

- Do all participants have the necessary equipment? Provide loan devices pre-installed with required applications.
- Using one's own device supports practicing after training.
- Browser-based applications and open (free) licenses whenever possible.
- Data security ensured: anonymous accounts (e.g. training-specific email) or shared accounts when needed. No personal data shared.
- Support for accessibility tools (screen readers, alt text, multilingual support).

Access to knowledge and participation:

- Materials provided in multiple formats (text, image, video, easy-to-read, multilingual).
- Clear and accessible materials (fonts, contrasts, layout, images, data hierarchy).
- Plain and inclusive language, with terms explained when necessary.
- Use of everyday examples so beginners can relate.
- Online learning spaces ensure geographical accessibility.
- Open distribution of materials (e.g. Creative Commons licenses).

Considering special groups:

- Know the target group and adapt activities accordingly.
- Tailored exercises (e.g. for youth, migrants, people with learning difficulties or limited digital skills).
- This tailoring benefits all participants by clarifying core content.

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Co-funded by the European Union

ANALYSIS / Strengthening critical thinking

Critical multiliteracy as the goal: not only technical use, but also analysis and reflection that support active agency.

Analytical skills:

- Practice identifying strengths and weaknesses of AI outputs.
- Compare AI-generated content with human-created content.
- Verifying – humans are responsible for verifying AI outputs.
- Multivocality – multiple perspectives can coexist as "true".

Understanding AI principles:

- Training data – what AI learns from and what it excludes / includes.
- Bias – training data and how its processed may create distortions.
- Black box processes – reasoning is not transparent. Hard to find processing methods.
- Sensitive material – be aware of privacy and copyrights when giving data to AI.
- Hallucination – AI may generate false facts.
- Unpack algorithmic logic – why some content is promoted more than others.

Supporting participation:

- Learning in interaction: connect activities to participants lived experiences.
- Explore AI with curiosity: highlight both risks and benefits.
- Strengthen evaluative skills.

ACTION / Participation in practice

Goal: Strengthen agency and participation through hands-on practice with AI.

Safety, privacy, and inclusion:

- Safe, non-discriminatory learning environments; foster respectful discussion culture.
- Protection from discrimination, including online.
- Physical accessibility of spaces.
- Understanding what data AI services collect and how to manage it.
- Practice anonymization and safe service choices.

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Supporting participation:

- Participants are encouraged to see themselves as active agents, not just consumers.
- Strengthen one's own voice alongside AI (AI as support, not replacement).

Preventing data mixing and stealing:

- Be transparent about AI use.
- Mark AI-generated material clearly.
- Learn to identify AI content (e.g. reverse image search, source-checking).
- Commercial interests and algorithmic literacy: Discuss business models of AI providers (e.g. "why is it free?", "what happens to data what you are giving?").

Activities for different skills:

- **Beginners:** Practice prompting and safe use; everyday applications (recipes, image prompting etc.).
- **Intermediate:** Use AI across processes (ideation, drafting, producing, publishing, marking AI-generated content).
- **Advanced:** Compare processes across AI tools, critical content analysis, intertextuality, data foundations, societal impacts of AI, information reliability, dis/misinformation, and algorithms. Reflect on how one's own actions shape and are shaped by algorithms.

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