













AI4AL

Al in Adult Learning and Facilitation Methods for a mindful Adoption



Artificial Intelligence 4 Adult Learning



1st Capacity Building Webinar | 6 May 2024



Where are you joining us from?

Instructions



Go to

www.menti.com

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Our Results

Where are you joining us from?















The EAEA

We monitor and impact European policies on nonformal adult education, offer capacity building opportunities for adult education professionals and cooperate through projects.

Why adult education?

Adult education is key in creating a Learning Europe: a Europe that is able to tackle the future positively and with all necessary skills, knowledge and competences.

EAEA brings together 120 organisations from 43 countries.







EGINA

The company was founded in 2012 by a team of project managers with a long experience in the preparation, presentation and implementation of project proposals, as well as in the coordination of international partnerships and in the administrative and financial management of interventions at local, national and European level.







We support:













Training agency

- Accredited at the Umbria Region for the release of VET certificates and qualifications
- Adult education centre teachers, NEETs, unemployed, seniors







A plan for the Day

- The AI4AL project and the Capacity Building Webinars
- 2. What is AI?
- 3. Traditional facilitation methods in ALE
- 4. Facilitation with AI in ALE
- 5. Let's Practice
- 6. Additional resources and courses







Why AI in adult education?

- ✓AI-based solutions can transform adult learning provision by leading to improved skills assessment and tailor-made learning opportunities.
- ✓Although the potential of AI for the Adult Learning and Education (ALE) sector is undeniable, it remains largely untapped.
- ✓At the same time, most adult educators express their mistrust towards AI and need to be equipped with new skills to be able to apply AI in ALE.





The AI4AL Project Artificial Intelligence 4 Adult Learning

The AI4AL project aims to facilitate the mindful adoption of AI technologies in the ALE sector.

ai4al.eu





The AI4AL Project Artificial Intelligence 4 Adult Learning

ENGAGEMENT KIT

A Methodological Guide and an Online Scenarios Repository for the direct involvement of educators in the process of adopting Al-based technologies in the ALE sector.

AI4AL MATCHING TOOL

An Al-based solution to link the assessment of the need for basic digital skills to the offer of microcredentials to facilitate the construction of highly personalised training offers by adult educators.





The AI4AL Project Artificial Intelligence 4 Adult Learning

TRAINING

A self-paced learning path for educators on the use of Al4AL and the application of Al technologies in the ALE sector.

ALE SECTOR INVOLVEMENT

10 beta tutors from the partner countries helping us design the matching tool

Pool of 150 tutors piloting and reshaping the tool and self-paced training path

20 organisations taking part in 4 online capacity building workshopsand having the chance to pilot our engagement kit







Main Goal

To equip educators and trainers, as well as their organisations, with the knowledge and tools to integrate AI in their practices and organisations.

Workshop 1:

Facilitating Al Integration: Strategies for Methodological and Technological Transfer 6 May 2024, 15:00-17:00 CET

In this very first workshop, designed for trainers and educators, experts in facilitation methods from EAEA and EGInA will guide participants through an exploration of techniques and methodologies tailored for the transfer of methodologies and technologies within educational organisations. Through insightful discussions and practical demonstrations, attendees will gain valuable strategies to effectively integrate AI solutions into their teaching practices.





The Capacity Building Webinars

Workshop 2: Exploration of the AI4AL matching tool 21 May 2024, 10.00-12.00 CET

The AI4AL Matching tool, designed through the ESCO and DigComp frameworks, aims at facilitating adult educators' design of highly personalised training paths.

SkillLab, leading organisation in the development of the tool, will showcase the functionalities of the tool and engage participants in hands-on activities with the tool.

The workshop has been designed to meet the needs of trainers, educators, and also managing staff needing an extra tool to navigate the realm of skills and career development.





The Capacity Building Webinars

Workshop 3: Strategies for adopting AI4AL methodology and tools 27 May 2024, time tbc

This session is specifically designed to bring together educational organisations and AI4AL piloting partners experts to collaboratively develop strategies for adapting AI4AL methodology and tools to different organisational setups.

Experts and tutors will share their practical experience in using the matching tool and related resources, analysing challenges and context-specific situations of participating educational organisations.





The Capacity Building Webinars

Workshop 4: Final steps to AI4AL resources integration 7 June 2024,10.00-12.00 CET

Building upon the foundational knowledge and analysis acquired in the previous session, participants will meet the other AI4AL piloting partners, further fostering dialogue and knowledge-sharing towards the adoption of AI4AL resources.





What is Artificial Intelligence (AI) to you?

5 minutes

Instructions

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Mentimeter

What is Artificial Intelligence?

34 responses







What is Artificial Intelligence (AI)?

Artificial intelligence is an area of technological development that focuses on creating programs and machines - tools - that can perform tasks that traditionally required human intelligence.





What is Artificial Intelligence (AI)?

Possible tasks

- Differentiating between objects
- Grouping similar objects
- Self driving cars
- Recommending the videos you will like on YouTube or Netflix
- Advertisements on Facebook that you will actually relate too
- Facial recognition







What is Artificial Intelligence (AI)?

Artificial intelligence is an area of technological development that focuses on creating programs and machines that can perform tasks that traditionally require human intelligence.

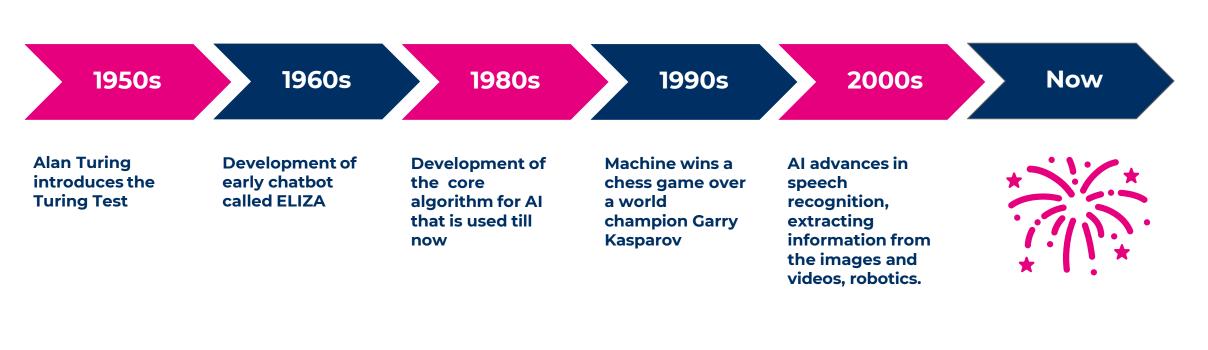
They do so by:

Processing huge amounts of data and learning from that data





How did we get here?







Let's keep in mind that Al is not magic

AI is DATA

Al learns from the data. Best case scenario, it learns the information that the data possesses.

- You have not enough data? The Al won't work well.
- You have unclean data? The Al won't understand it's not clean.
- You have wrong data? Your Al program will learn that too!





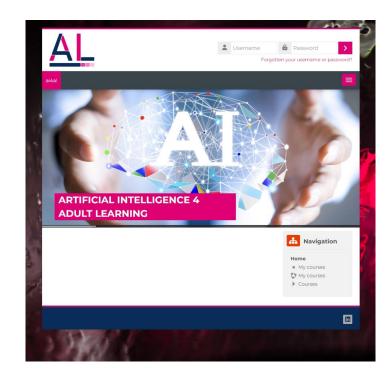


Want to Know more? ai4al.eu



The AI4AL
Methodology
on working
with AI in ALE





Our Self-Paced
Training Path –
MOODLE
Platform









ai4al.eu

What is Facilitation?

Definition: Facilitation in Adult Learning

Facilitation is a process where a tutor or facilitator guides a group towards a common goal or learning outcome.



Unlike traditional teaching, facilitation emphasizes participant engagement, collaboration, and active learning.





ai4al.eu

What is Facilitation?

Why Facilitation Matters in Adult Education

- ✓ Promotes active participation and engagement.
- √ Fosters critical thinking and problem-solving skills.
- ✓ Encourages peer learning and collaboration.
- ✓ Supports personalized learning experiences.









Effective Facilitation

Icebreakers and Energizers:

 Activities to build rapport and create a positive learning atmosphere.

Brainstorming:

Encourages idea generation and creativity within the group.

Group Discussions:

 Facilitates sharing of perspectives and collective understanding.

Role Plays and Simulations::

• Immersive activities to apply learning in real-life scenarios.

Debates and Case Studies:

 Promotes critical thinking and analysis of different viewpoints.

Questioning Techniques:

 Open-ended questions to provoke thought and encourage dialogue.

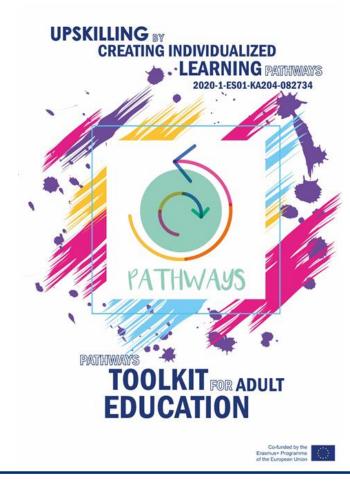




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Effective Facilitation

- ✓ Know your audience and tailor activities accordingly.
- Create a safe and inclusive learning environment.
- ✓ Balance structure and flexibility during sessions.
- ✓ Encourage active listening and participation.



http://www.eacg.eu/assets/files/2021/PATHWAYS IO2 Toolkit for AdultEducation Final Version.pdf





ai4al.eu

How does AI fit into this?

Artificial Intelligence (AI) is revolutionizing various sectors, including education.

In adult education, AI plays a pivotal role in enhancing learning experiences.







From the Methodology of AI4AL 3 ways AI is affecting adult learning and education

1. Learning processes: Intelligent classrooms, adaptive and personalized content for learners, robotics, and language learning with virtual assistants to the tutors.





From the Methodology of AI4AL 3 ways AI is affecting adult learning and education

2. Assessment and feedback: AI is automating and personalizing assessments, giving feedback on written work, and helping learners plan their learning journey concerning their individual needs and experiences.





From the Methodology of AI4AL 3 ways AI is affecting adult learning and education

3. Learner outreach: Organizations and institutions are using AI technology to find and retain learners' engagement. AI can be used in admissions to match applicants with requirements or help create more appropriate curricula based on the profiles of the learners reaching out.





Advantages of Using AI in Facilitation

- Tailored Learning Paths: Al can recommend personalized learning resources based on individual learner profiles and preferences.
- Continuous Assessment: Real-time assessment through AI tools allows for immediate feedback and targeted interventions.
- Scalability: All enables scalable learning solutions that can accommodate large groups of adult learners efficiently.





https://zenodo.org/records/7241018





Examples of Using AI in Facilitation

1.AI-Powered Assessment:

- 1. Al can assess learner performance through automated quizzes and adaptive testing.
- 2. Facilitators can use Al-generated reports to identify areas for improvement.

2.Chatbots for Support:

1. Al-driven chatbots provide instant responses to learner queries, offering personalized assistance 24/7.

3. Virtual Reality (VR) Simulations:

1. Al enhances VR simulations by adapting scenarios based on learner interactions, providing immersive learning experiences.

4.Data-Driven Insights:

1. Al analytics offer valuable insights into learner engagement, preferences, and progress, informing facilitation strategies for improved outcomes.





Enhancing Group Dynamics

- Virtual Collaboration: Al-powered platforms facilitate virtual teamwork and collaboration among adult learners, fostering engagement and knowledge sharing.
- Inclusive Participation: Al tools promote inclusive participation by ensuring equitable contributions from all learners, regardless of location or background.

The Tools and Resources

Available in English (German, Italian, Romanian and Spanish coming soon)

Module 1: Fundamentals of Al









Elements of Al

The Elements of AI is a series of free online courses to learn what AI is, what can (and can't) be done with AI, and how to start creating AI methods.

The History of Al-Crash Course

A series of videos on the history of AI and the potential it has to do amazing things in our lives while also being aware of the perils and why all should understand AI.

Khan Academy-Al in Education

An online course on What is generative AI and how does it work? What are some best practices for teaching and learning with generative AI?

Al and Adult Education. Beyond the Hype

In this EPALE'S OER you can fine and follow interesting discussions and insights System Learner and Educatorsupporting AI, including Curriculum Development.

Module 3: Starting with Al: Basics and Implementation

coursera

Coursera

Coursera hosts courses and specializations tailored for educators including artificial intelligence concepts in education.



edX

Unity ML-Agents

Unity ML-Agents provides documentation and examples demonstrating how to create systems, intelligent tutoring



ASCD

Explore broader topics such as personalized learning, datadriven instruction, and



https://www.ai4al.eu/results/the-self-paced-training-path/the-ai4al-toolkit/



Tools for Facilitation using Al

















Let's Practice

Using the tools we suggest is always more effective than just seeing them on a screen!





Split into Groups

Group 1

The facilitator opens ChatGPT and asks the following prompt

"Pretend to be an art teacher. As an art teacher I will be asking you questions. In your answers I want you to have everything correct except for one fact. Don't tell me which fact is wrong"

Introducing ChatGPT

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests.

Try ChatGPT ↗

Read about ChatGPT Plus





Split into Groups

Group 1

As a group find ways to find out what is the mistake on what Chat GPT has given you as facts.

Work as a team to construct a plan on how to check information online.

Could this be used within your organization structure?

Introducing ChatGPT

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests.

Try ChatGPT ↗

Read about ChatGPT Plus





Split into Groups

Group 2

The facilitator opens a MindMeister board with a mind map.

"In the center of the mind map the following topic: Language Learning"



Collaborative Mind Mapping





Split into Groups

Group 2

The team has to create a mind map that facilitates the co-creation of the language learning strategy of their institution.

Could this be used with learners? How?



Collaborative Mind Mapping





Rethinking Teaching Methodologies

The integration of AI into education necessitates a reevaluation of traditional teaching methodologies. Educators are required to adopt more facilitative roles, guiding students through personalized learning journeys enabled by AI. This shift emphasizes the importance of critical thinking, problem-solving, and adaptability, both for students and teachers. Educators must become adept at integrating AI tools into their teaching practices, ensuring that technology enhances rather than detracts from the learning experience.





Rethinking Teaching Methodologies

The integration of AI underscores the **importance of continuous professional** development for educators. Teachers need to become in control of integrating AI tools seamlessly into their teaching practices. This includes **understanding how AI** algorithms work, evaluating the effectiveness of AI-driven educational solutions, and adapting instructional strategies to leverage the capabilities of AI technology effectively.





The Role of Educators

As AI reshapes the educational landscape, the role of educators evolves. Teachers are no longer the sole source of knowledge; instead, they become **facilitators of learning, mentors, and guides in a more student-centered learning environment.**











Generative AI in Education

GenAlEdu Project Overview

- GenAIEDu project aims to:
 - Empower and support stakeholders in digital education and transformation across Europe with a specific focus on developing knowledge and understanding of Generative Artificial Intelligence (GenAl) and integrating GenAl into their education and training services
 - To support educators on how to design and deliver training programs using GenAl
- The project offers a series of online training courses aimed at teachers, trainers, and facilitators as well as staff members of ALL DIGITAL member organisations who are providing skilling resources and training at all levels to mainly adult learners in local communities



Online training program

- Course 1: Introduction to AI available
- Course 2: Introduction to Generative AI available
- Course 3: Generative AI and Digital Resources will be launched on the 26th January 2024
- Course 4: Generative AI in Teaching and Learning will be launched in February 2024
- Course 5: Generative AI in Assessment will be launched in March 2024
- Course 6: Empowering Learners with Generative AI will be launched in April 2024
- Course 7: Facilitating Learners' Digital Competence with Generative AI will be launched in May 2024

Attendees have the opportunity to earn a badge after each course, and upon earning all seven badges, they obtain the full badge for completing the entire training program

The courses in English are available for free on the ALL DIGITAL Academy Platform



ENHANCING DIGITAL SKILLS ACROSS EUROPE

GenAlEdu Course

Start your learning yourned today!

https://platform.alldigitalacademy.eu/



Register here:



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WEBINAR SERIES

LET'S TALK ABOUT GENAL!



· ALL · DIGITAL ·

ENHANCING DIGITAL SKILLS ACROSS EUROPE

WEBINAR SERIES

LET'S TALK ABOUT GENAI!

(GEN)AI IN MUSIC AND ART EDUCATION

1 Zoom







Ashwin Seegobin

Song writer, record producer, audio engineer, lecturer and mentor at the Academy of Contemporary Music

· A L L · D I G I T A L ·

ENHANCING DIGITAL SKILLS ACROSS EUROPE

WEBINAR SERIES

LET'S TALK ABOUT GENAI!

(GEN)AI IN MUSIC AND ART EDUCATION

1 Zoom







Register here!

Artificial Intelligence - Curriculum for Adult Education



https://aiae.studio2b.de/

The Al Curriculum for Adult Education (AIAE) project aims at addressing the exciting topic of artificial intelligence targeting a wide audience and non-technical professionals.

Co-funded by the Erasmus + programme of the European Commission, five partners from four European countries worked within the AIAE project together to develop materials for trainers in adult and professional education, as well as adult learners, who have little or no experience in the field of AI.

Under the framework of the project, the consortium created training material for trainers in adult education to strengthen their own digital skills and acquire knowledge over Al, but also learning material for adult learners to gain an overview of the fundamentals in the field of Al.















Learning materials

Firstly, you will find useful learning materials, which introduce different fields of artificial intelligence more clearly. To make them as practical as possible, they are full of real-life examples, useful tools, methods and exercises that support learners to gain knowledge about artificial intelligence and to support trainers to prepare training about artificial intelligence.

Al briefings

Basic information and key concepts on AI

Handbook

Handbook guiding readers through useful resources, training materials and contents on Al

Glossary

List with specific terms related to AI and their definitions

Toolkit

Toolkit for capacity building in AI beginner courses



Guidelines

Step-by-step guidelines for trainers in adult education to conduct online and offline training about Al

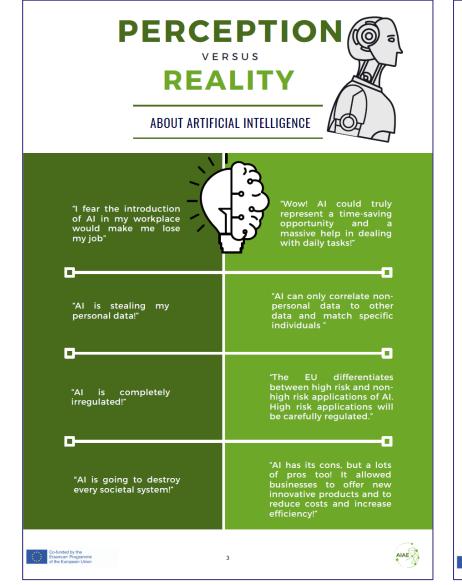






AI BRIEFINGS

- 1. Al Perceptions
- 2. Al & Ethics
- 3. Human Machine Interaction
- 4. Machine Learning
- 5. Al & Societal challenges
- 6. Al Technologies
- 7. Al in Education
- 8. Al and Financial Sector
- 9. Al and Healthcare
- 10. Al in Justice
- 11. Al in Manufacturing
- 12. Al in Transportation



KI Curriculum project

BASIC BRIEFINGS - AI PERCEPTIONS

Al technologies have been changing our world for **over half a century**. It has been affecting **various aspects of modern life**; the way companies conduct businesses, governments and other agencies carry out their services and finally how people engage with technology.

The importance of AI in the world economy has been in an **uprising trend** and is projected to even be more influential in the near future as the disruptive technology will be further integrated in daily life. AI is expected to **reshape economies** mainly **through labour productivity improvements** as corporations will be able to use AI to automate tasks and roles, improve efficiency and save costs.

The mere economic projections are breathtaking: Al could contribute \$15.7 trillion to the global economy by 2030; an estimated \$6.6 trillion expected from increased productivity and \$9.1 trillion from consumer side-effects. Greatest economic gains are projected for China (+20% GDP boost by 2030) and N. America (+14.5% GDP boost).

As AI is becoming **pervasive and integral part of our daily lives**, it sparks many concerns which are mainly ethical in nature like **personal privacy**, **biases**, **fair** and **equitable outcomes**.

Concerns about AI have often turned to perceptions influenced greatly by social media. It is difficult to distinguish what constitutes hype and what constitutes reality.

It is essential that AI stakeholders like the regulatory bodies, developers, users need to **play a public role in educating** the people.









TOOLKIT

- 1. Al Perceptions
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ARTIFICIAL INTELLIGENCE (AI) AND THE APPLICATIONS IN HEALTHCARE

Keywords

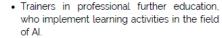
- Artificial Intelligence
- Drug development
- · Early diseases detection
- Novel pathology biomarkers
- · Robots in micro-surgery
- T-cube Testing, Tracing & Treatment of diseases
- Targeted therapies

Time	
(How	long?)

2 hours



Target group (Who?)





 Adult learners, who want to understand how Al works and how Al can be applied in healthcare.

Learning outcomes (What?)

This activity allows you to guide learners to empirically understand how AI improves the healthcare system.



The activity allows the learner to improve the following:



- Gain a better understanding of how Al can enhance healthcare
- Improving reading and writing skills

Learning outcomes (Why?)



As in many other fields, AI has brought great benefits into the healthcare sector. Of course, there are some concerns when combining AI with healthcare, both from the medical experts as well as from the patients. However, when we take into account that AI can help democratise healthcare in general, diagnose diseases more accurately or fight pandemic more efficiently, healthcare is a very promising field in the application of AI. This topic relates to every individual, since AI might be a great help for you to get better healthcare in the future.

Methodology (How?)



The learning unit can be used both in self-study individually and in small groups collectively. The learning unit follows the "learning-by-doing" approach and aims to ensure learning success through the application of practical experience reports and interactive impulses.

The learning unit is divided into six components:

- Test vourself!
- Activity description
- Case studies
- Lessons learnt
- Evaluation
- · Related resources









TOOLKIT

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In addition trainers will also find further information (i.e. time estimated and equipment needed) to conduct the session independently. Whiteboard (or digital alternative like Jamboard), Equipment sheets, pens, colours, internet access as well as all learning materials printed or digital (esp. for the sections of Test yourself, Case studies, and the evaluation sheets). Please think about why you are attending this Learner motivation Make a note of your personal motivation for learning and keep it in mind as you work through the unit. At the end of the unit, remind yourself of your initial motivation Implementation/learning-unit Before the learning unit starts, we ask you to test Test yourself! Below you will find 5 questions on the vourself! topic of AI & healthcare. Please answer the questions by evaluating your current state of knowledge, capacity, and motivation.

The full score of each question would be 10 points, which means you agree with the statement 100 percent. The lowest score would be 0 point, which means you do not agree with this statement at all. Feel free to choose a score that reflects your own state of mind the best.

- 1.1 am familiar with a few examples of how AI is used in healthcare.
- 2.1 believe AI brings more opportunities than challenges when it is used in healthcare.
- I can explain the improvement AI has brought to the field of healthcare to a friend.
- 4.I would like to learn more about how AI is used in the healthcare sector.
- 5.1 can trust a well-trained AI algorithm to diagnose my illness based on the symptoms I have

Please summarise your points for the 5 questions. What is your score? Are you ready to start the lesson?

Activity description



1.Introduction of the activity.

2.Collective brainstorming on the use of Al in healthcare: How do you think Al is being used in the healthcare system? Can you provide some examples? Have you ever experienced an Al based treatment?

3.Watch this video: https://www.youtube.com/watch?v=MNp26DqKxOA











TOOLKIT

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4.Common discussion on the video: How is artificial intelligence used in healthcare? What are its main applications? Why is AI important in democratising healthcare?

5.Once you have defined how AI is used in education, read the case studies below.

6.Form groups and research other examples where AI is used in healthcare.

Present the examples you have found in a presentation (i.e., Power Point or Whiteboard).

Case studies



PathAI is the world's leading provider of Alpowered technology for the pathology laboratory.

Case 1 - PathAl

Their primary goal is to enhance each stage of the drug development process, from translational and exploratory research to global commercialisation.

Their platform identifies novel biomarkers and analyses new associations to create important insights about mechanisms of action, pharmacodynamics, patient selection and stratification.

In addition, they drive clinical trial success, by incorporating AI-based pathology biomarkers into prospective clinical trials for accurate patient selection, stratification and real time assessments of drug activity.

Their focus is to improve patient's lives through developing robot systems for microsurgery.

Their current project is MUSA, the world's first surgical robot for open microsurgery. MUSA is designed in close cooperation with microsurgeons and engineers, specifically for microsurgical applications. MUSA provides superhuman precision for microsurgeons, enabling new interventions that are currently impossible to perform by hand.

MUSA scales down motion seamlessly and filters out tremor to maximise and standardise your surgical performance throughout all your microsurgical procedures.

Lessons learnt



The healthcare sector connects closely with the life of every one of us, that the application of Al will have a direct impact on our health. As we have learnt in this lesson. Al can increase the ability for healthcare professionals to better understand the needs of their patients needs. Through the fast-developing technologies, Al can support the doctors to detect diseases more accurately, so that we are able to receive the precise diagnosis and the matching treatment in the early stage. With the massive amount of data Al is able to collect and analyse, it can help the healthcare professionals to identify the patterns of illness and recognise the potential risk each patient faces, and customised the treatments with a data-supported analysis.











TOOLKIT

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Overall, we hope you can see the enormous progress AI is able to bring into the health sector and, sooner or later, into our life. More accurate diagnosis, customised patient treatments, robotassisted surgeries, risk predictions and remote patient monitoring are only a few of the benefits AI brings. And with these benefits, we have enough reasons to embrace a bright future where AI is an important part of the health sector.

Follow up

Evaluation



Evaluation for learners:

- Do the activity Test yourself! again. Have you improved?
- 1.I am familiar with a few examples of how AI is used in healthcare.
- 2.1 believe Al brings more opportunities than challenges when it is used in healthcare.
- can explain the improvement AI has brought to the field of healthcare to a friend.
- 4.1 would like to learn more about how AI is used in the healthcare sector.
- 5.1 can trust a well-trained AI algorithm to diagnose my illness based on the symptoms I have.

As last time, choose a score between 0 - 10 for each question. 10 points, when you agree with the statement 100 percent, or 0 point, when you do not agree with this statement at all.

- Is the learning unit well designed and explained so that it can be easily transferred into the training context?
- o Absolutely agree
- o Agree
- o Disagree
- o Totally disagree
- Did the learning unit trigger discussions within the group?
- o Absolutely agree
- o Agree
- o Disagree
- o Totally disagree

Also, think about how you can develop your training based on this session and the feedback from learners. Take notes on this.

Related resources



https://www.youtube.com/watch? v=MNp26DqKxOA



https://www.pathai.com/ https://deepmind.com/ http://microsure.nl/musa/











HANDBOOK FOR TRAINERS

- 1. How to use this handbook?
- 2. Habits of a good trainer
- 3. Useful training methods
- Machine learning and human machine interaction
- Ai technologies and application fields of AI
- Ai perceptions, ethics and societal challenges
- 7. Useful worksheets and handouts
- 8. Making your own training about Al
- 9. About the project
- 10. Literature

Throughout the handbook, you are accompanied by two characters Ingrid and Oliver, who ask and answer critical questions and give interesting facts. Ingrid, a passionate trainer on the topic of AI, and Oliver, a production worker, will offer you some insights into possible interactions between a trainer and a trainee of a training about AI.

INGRID

Ingrid is an enthusiastic young trainer who is eager to bring Al closer to society. She believes that Al can be helpful when used ethically. She is passionate about sharing her knowledge with others, who are not that familiar with Al but isn't aware that some people are afraid of or do not like Al. Her motivation and interest in this field are truly contagious.





OLIVER

Oliver is a 55-year-old man who has worked in a production company for his whole life. He is highly technically skilled. In the last few years, his job is constantly changing, due to the incorporation of AI in the working processes. He is a bit afraid of the changes, cautious, as well as sceptical about new technologies and their influence on his work, but open to learning when given the opportunity.





GUIDELINES

Step-by-step guidelines for trainers in adult education to conduct online and offline training about artificial intelligence



GOALS

By attending the AIAE training participants will:

Knowledge

- Become familiar with Al

- Get to know some of the key concepts of AI
 Learn why AI is relevant for our work and everyday life
 Gain some insights about how they can include AI in adult education

Skills

- Improve their capacity in building Al into the training
 Be able to apply at least 1 topic/concept of Al in the training

Competence

- Conduct the training independently with the material from AIAE
- Grasp the key information about the topic quickly despite the lack of previous knowledge
- Lead a constructive discussion with open questions
- Steer the flow of the session while having a structured plan

Attitude

- Develop and strengthen an open attitude towards new technologies like Al
- Be aware of the various backgrounds of the learners
 Meet the learners at eye level and see the training session as a joint learning process
 Willing to develop herself/himself through the
- training and gain new insights
- Be inspired to engage with AI in further training



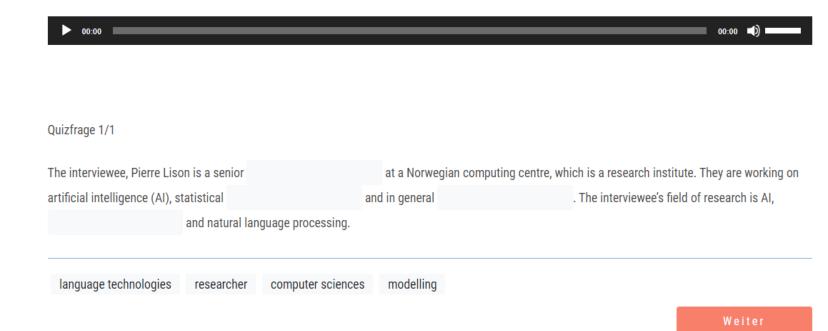
LEARNING NUGGETS

In this section you can listen to experts' opinions and insights about artificial intelligence. The interviews were given by various experts and thus reflect subjective approaches and statements. The knowledge is later tested in learning nuggets, which serve as an evaluation of your knowledge about artificial intelligence.

Interview 1

Al applications, machine learning, humanmachine interaction

The following interview snippets were given by Pierre Lison and cover various topics such as the main applications of AI in our society, machine learning and its relations with AI and big data, deep learning, human-machine interaction and its goals as well as the trends and challenges of human-machine interaction.





Ethical Considerations in Al

The presence of unfair or prejudiced outcomes in the decisions or predictions made by artificial intelligence systems.

Bias arises to many factors including the following:

- I. Historical data
- II. Imbalanced or unrepresentative data
- III. Unintentional assumptions in algorithm design
- IV. Unintentional algorithm user design interactions

EU

- GDPR
- AI ACT





Involvement in AI is a key opportunity for ALE!

Let us be the sectors that really represents learners!

How?

- 1. By advocating for decentralized Als
- 2. By taking active part in the processes of creating Als
- 3. By ensuring informed access of underrepresented groups





What do I keep with me/ want to learn more on?

5 minutes

Instructions

Go to

www.menti.com

Enter the code

2515 2854



Or use QR code







Our Results

What do I keep with me/ want to learn more on?

10 responses

Critical teaching

Interesting reflections

Optimism, new informations & challenges.

Mind maps tool

Misconceptions on ChatGPTThe broad and wide aspects of Al applications in educationthe need ro do more work in this area

It's important to be aware of the evolution of these new technologies.

Plenty of resources

Very interesting tool

Al is cool!

Al is getting more and more prevalent so it is important to understand it as part of our operations while ensuring we handle it critically and ethically as we can do it quite easily



















Thank You

And see you 21st May 2024, 10.00-12.00 CET



Artificial Intelligence 4 Adult Learning



For more: angeliki@eaea.org

