



TACCLE AI

Improving skills and competences of VET teachers and trainers in the age of Artificial Intelligence

Issue 3
September 2021



About the Project

The European project 'Improving the Skills and Competences of VET teachers and trainers in the age of Artificial Intelligence' brings together partners from five countries to provide initial training and continued professional development for VET teachers and trainers in Artificial Intelligence. The project will seek to support VET teachers and trainers in extending and adapting open curriculum models for incorporating AI in vocational education and training.

Furthermore, the project will develop a Massive Open Online Course in AI in education in English and German, open to all teachers and trainers in VET in Europe. The course materials will be freely available for other organisations to use for professional development.

Come and visit our project homepage:

<http://taccleai.eu/>

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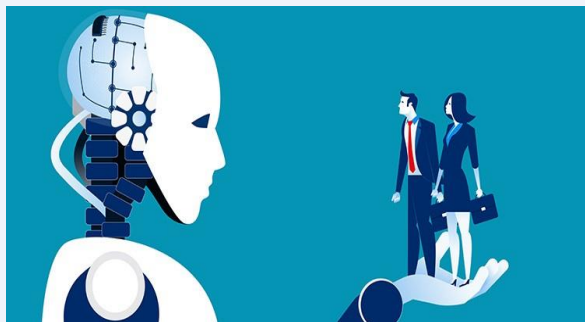
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Issue: Gender-inclusive AI

To build gender-equitable AI systems it is crucial to have diverse and heterogenous AI development teams because these people are accountable for the algorithms and are responsible for the decisions the AI system makes. According to UNESCO only 12 per cent of AI developers are women. Less than 2% of employees in technical roles at Facebook and Google are black.



Little wonder then that in many applications AI is seen as biased towards white men. Joy Buolamwini, a computer scientist and founder of the Algorithmic Justice League, found that one government dataset of faces collected for testing comprised of 75% men and 80% lighter-skinned individuals and less than 5% women of color.

It is of particular importance to improve the representation and participation of women in technical roles. The initiative Women in AI, founded in 2016, is working on this mission. Have a look on their Website: <https://www.womeninai.co/about-wai>

Join Women in AI Germany on September 22nd at 7:30pm CEST for a discussion on the current state of AI in German industry! <https://www.eventbrite.com/e/adoption-of-artificial-intelligence-and-machine-learning-in-germany-tickets-168066819381>

AI and Ethics

The question of AI and ethics is very much in the public debate these days and there are increasing concerns about the ethical use of AI in education and training. To give but a few examples there is obviously the issue of bias when it comes to employing staff and there are growing concerns about privacy and surveillance by AI powered applications. It is also being asked how young people are able to make informed choices for the use of their data.

Although there are various call for ethics frameworks and ethics boards we really need to do practical things now. Here are a few ideas:

- All AI based applications for education should include educationalists in their design teams
- All algorithms for AI in education should be transparent
- Just as with new medicines, those developing AI based applications in education should be required to publish evaluation data about the use and efficacy of their software.

Online Course for teachers and trainers

<https://mooc.taccleai.eu/>

Learn more about AI! During this free course you will learn more about the changing world of work and new demand for skills and knowledge. We will also be looking at the possible impact of AI on the world of education and training.

Get inspired!

We will be examining a series of different case studies and examples of how AI is being used in vocational schools and in the workplace to understand how it can be used for teaching and learning, ranging from gamification in German VET schools to the use of Chatbots for careers guidance in the UK.

Be part of the Community! AI and automation raises many questions for the future of work and of vocational education and training. We cannot pretend to have the answers to these issues. Instead, we hope that through developing a community of practice and through processes of reflection, we can collectively advance our understanding and response to the challenges we face.

Register now!

English language version: <https://www.eventbrite.com/e/mooc-artificial-intelligence-ai-in-vocational-education-and-training-tickets-161877288327>

German language version: <https://www.eventbrite.com/e/onlinekurs-ki-in-der-berufsbildung-tickets-167623475327>

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Follow us on Facebook to get regular updates about our work, workshops and interesting news.

<https://www.facebook.com/TaccleAI>

Any questions, comments, ideas or anything else?

It is important for us to get in contact with you. Do you already have experience with AI? Opinions on the subject AI and VET? Please feel free to contact us.

<http://taccleai.eu/contact/>

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