Session 7: The new challenge: Artificial Intelligence (AI) and examinations (16-11-2023, 05:00 – 06:30 UTC)

The recording contains the entire discussion. Additionally, you will find on the web page the abstract and two powerpoint files with a) Questions and b) first ideas of solution. The following results of this workshop are relevant:

How can we ensure that the examination delivers the grade of the student’s competences? To exam students in a classroom is also today the best method. The human factor is still important. In relation to thesis the best approach is the direct contact between the student and the tutor. By doing so, the student’s skills can be checked best and most reliably. Alternatively, the student presents the results and questions may follow from an auditory.

For virtual examinations or tests according tasks and the methods of examination will be necessary. Because Artificial Intelligence (AI) cannot help if the knowledge has to be applied in a practical context the diagnosis of case studies is a good solution by interpreting forecast products and by putting different information to a complete picture for issuing warnings. AI helps the students better in a pure theoretical context. Therefore, the theory should be embedded in a practical application.

If you have many students it will be probably too time-consuming to evaluate written texts. However, other forms of test can be used that are also available on learning platforms. Pure multiple choice could lead to problems. However, multiple choice will help you by asking students to mark correct answers that are related to the interpretation of a special features in forecast products. Drag and drop or complete statements are also useful alternatives.

Detecting plagiarism is a challenge. Besides of that students should be trained to act honestly and also trained accordingly as well as the trainers. In this context the Workshop of Tsvet Ross Lazarov – The Role of AI in Training and Professional Development (section 7) contains very helpful information.

At several Universities examinations are done online. The students are asked to write assignments in order to check if the knowledge is sufficient. The tutor works with students about a special subject for some weeks. The tutor will be able to check if some results comes form “Copy and paste” or from the student. Among other In the Netherlands digital tools exist for detecting plagiarism.

A further problem arises if cameras have to be used in private flat in order to prevent the student from using internet or ChatGPT. The privacy could be violated.

Although this problem will be reduced during the near future the student should be aware that AI could deliver an output that is ot nstate of the art. Even fakes could be delivered, e.g., by pointing to an article that does not exist.

Generally, AI should be integrated in the training process and should be seen as a chance, not as an enemy.

One link reads: <https://www.scribbr.com/>. Please add further links to the forum or all what you think will be useful for the community.