Analysing and interpreting evidence-based data to inform teaching and learning (MONITORING / PERFORMANCE / TEACHING AND LEARNING PHASE)

Quiz

1. It is important to inform students from the very first lecture that the teacher can access and monitor the data related to their engagement in the virtual learning environment by explaining what data is accessed, and analysed, what it is used for and how data protection is ensured.
   - True *Correct!*
   - False *Incorrect. It is very important for teachers to ensure the data is handled ethically since learning management collects a tremendous amount of personal data.*

2. Examples of quantitative ways to interpret learner activity are (more than one answer is possible):
   - **Logs and clicks** *Correct!*
   - **Connection time** *Correct!*
   - Interviews with students *Wrong! This is qualitative*
   - **Number of forum posts** *Correct!*

3. What data sources could inform teachers of learners' engagement? Select all that apply
   - Participation in discussion forums *Correct!*
   - Course progress *Correct!*
   - Participation in self-assessment activities *Correct!*
   - Frequency of course access *Correct!*
   - Learners' personal characteristics *Incorrect.*

4. How can evidence-based course reports assist teachers in supporting learners' SRL and improving learning design?

   - Reports show if a course is easy to access and take. *Incorrect. Since course reports present quantitative data on specific course variables, they do not inform teachers on course accessibility issues. Teachers are recommended to design learning activities that would provide information on accessibility.*

- Reports help identify learners who might need additional support. *Correct!*
- Reports help spot what pedagogical interventions might be needed to make learning more engaging. *Correct!*
- Reports help identify how often students access different resources. *Correct!*

5. When aiming to analyse data on the overall students' learning progress and their activity completion, which report should be analysed?

- **Activity completion report** *Correct! It helps the teacher to observe and assess the extent to which individual students or groups of students are engaging with the single modules, and hence with the course.*
- Logs report Incorrect. *This report provides data on which activities have been accessed and viewed by which students and when.*
- Course participation report *Incorrect. This report provides information on which students have engaged with a particular learning resource or activity in a course.*
- Activity report. *Incorrect. This report informs teachers about how many times each course activity has been accessed.*

Self-reflection questions

1. What reports can inform teachers and students about learning progress?
2. What existing qualitative and quantitative data can be used to engage students?
3. What data can be monitored and analysed to measure students' academic success?
4. What pedagogical interventions would you plan in case students do not access and view compulsory learning resources?
5. What would you do if the majority of students did not engage in some of the activities offered in the course?