

Adappt – Using learner feedback for classroom instruction

Description

The different learning needs of students in a classroom pose a great challenge for teachers. Often, some students are bored, while others have problems following the subject matter. Adaptive teaching addresses this issue. The central goal is to adapt the instruction to the individual needs of learners so that they reach their maximum potential. Although the concept has existed for many decades, there is still little empirical knowledge on its successful implementation in school practice.



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The assessment of the learners' learning needs requires extensive knowledge of their prior knowledge, as well as their current motivational and social-emotional condition. Regular, short feedback from the learner can help teachers to identify students' learning needs. For this purpose, the tablet-based app **adappt** was developed in Prof. Dr. Hanna Dumont's research group Educational Psychology with focus on teaching-learning processes in schools. After each lesson, the students are asked about their subjective experience of difficulty as well as other aspects of the previous lesson. The app runs offline and is administered independently by the teachers, so that the time of the survey can be individually determined according to the lesson. The app was piloted in five 7th and 8th grade classes of a Berlin community school and optimized together with teachers and students. Subsequently, it was used in the Ada*Q project in 22 classes of the 3rd and 4th grades.

Literature

- Dumont, H. (2019). Neuer Schlauch für alten Wein? Eine konzeptuelle Betrachtung von individueller Förderung im Unterricht. *Z Erziehungswiss*, 22, 249-277.
- Dumont, H. (2018). Adaptive teaching: Student differences and productive learning. In A. Paniagua & D. Istance (Eds.), *Teachers as designers of learning environments. The importance of innovative pedagogies* (pp. 53–56). OECD: Paris.

Applications

- Educational science
- School
- Continuing education
- Individual support
- Learning-teaching processes

Keywords

- Adappt
- Learner feedback
- Digitization
- Adaptive teaching

Interest in cooperation

- Research-based collaboration
- Contract research
- Industry-sponsored research

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