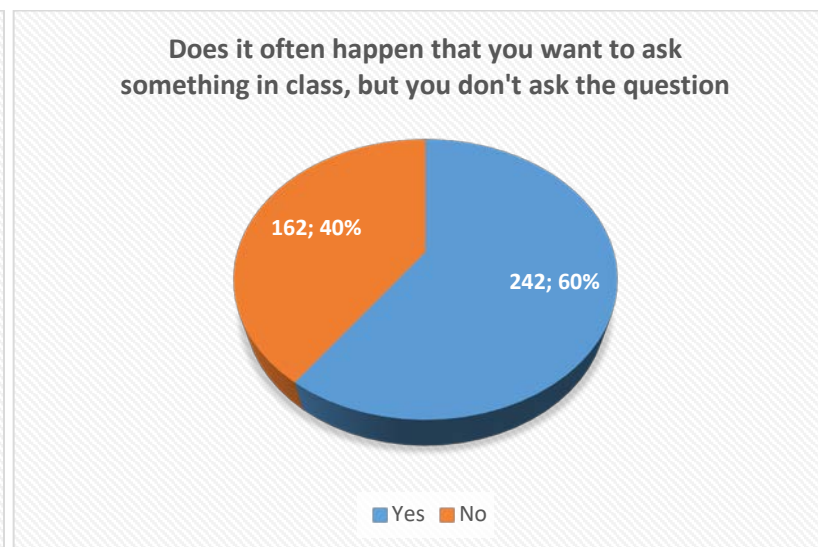
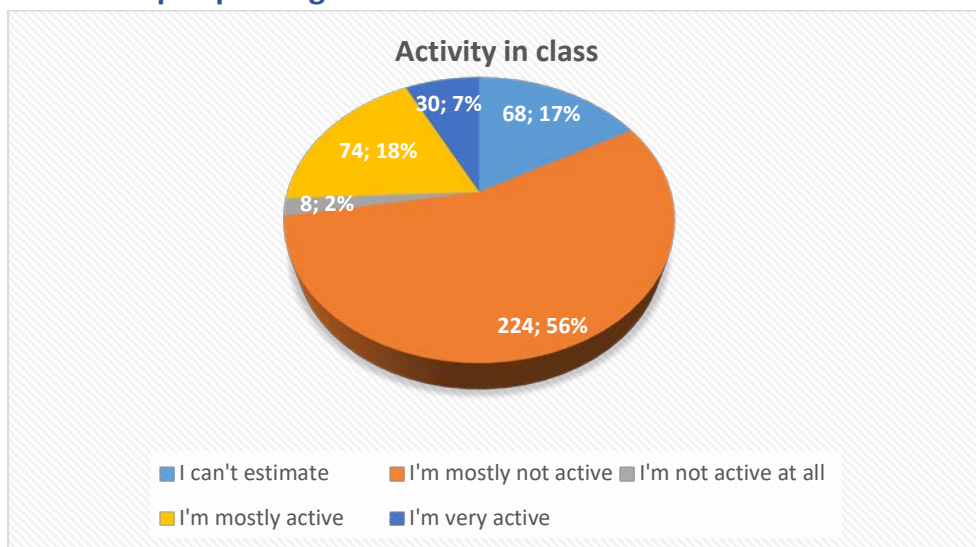


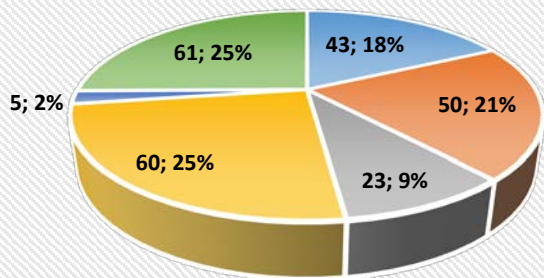
1 Piloting (small-scale experiment)

The name of the project is "Active learning through enhanced interactivity - ALTI". The project implemented for 24 months, starting from March 1, 2021. Years. One of the intellectual results of the project is the creation of an innovative tool to encourage interactivity in the AudIT lecture, while in the LMS project partners proposed new methods of open education. Piloting carried out in two phases. The first phase is the survey of students without using the AudIT system, and the second phase is the application of the new proposed methods in the LMS system + the use of AudIT in classes. The ultimate goal was to test improved student activity in the second phase of piloting. Students from the Maribor High School of Economics and Gymnasium, students from the Institute of Anton Martin Slomšek Maribor and students from the University of Tartu Kutsehariduskeskus from Estonia participated in the piloting, a total of 405 of them. The students' ages ranged from 15-17. Piloting carried out in the period from 1 December 2023 to 5 December 2023. Lesson topics were the same in both conducted cases.

Results of pre-piloting

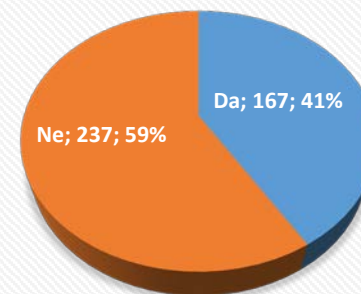


Why don't you ask questions in class?



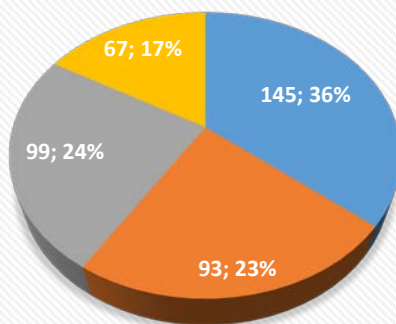
- Shame about performing in front of the class
- Fear of teachers
- Fear that the questions is inappropriate
- Fear of response of the classmates
- Language barrier
- Other

Does the way the lessons are conducted motivate you to learn more about the topic



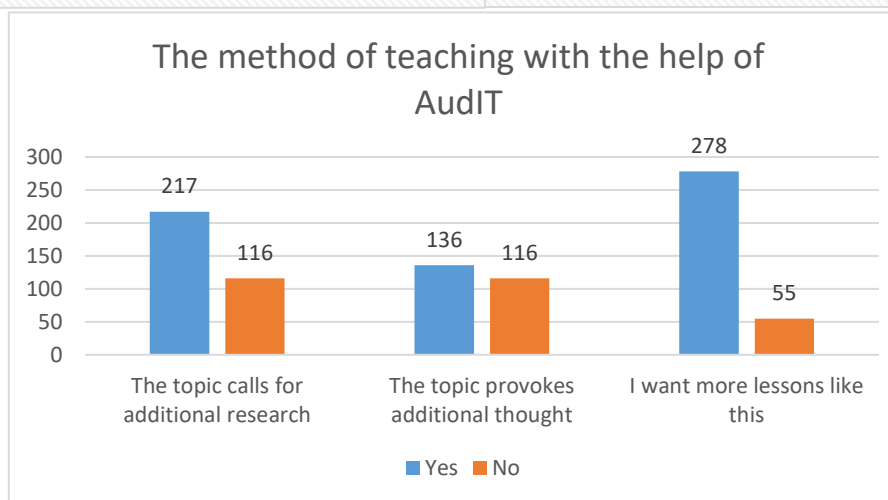
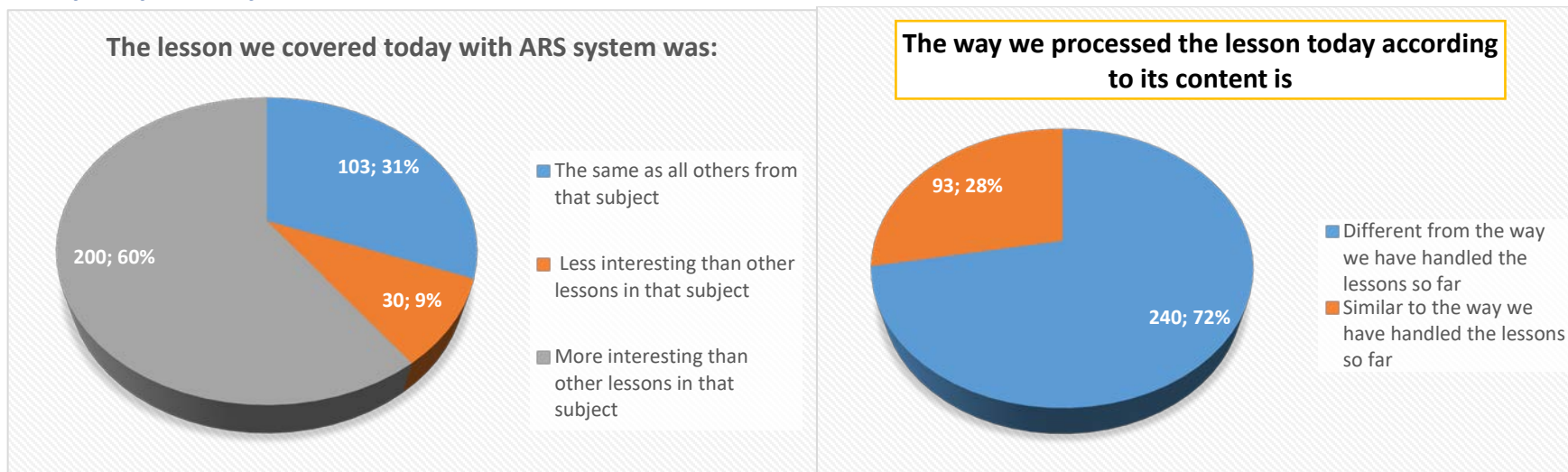
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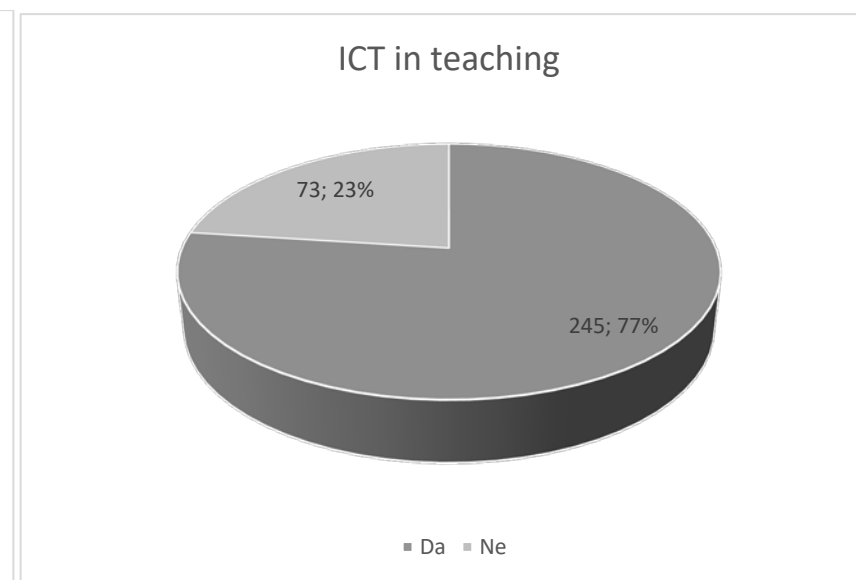
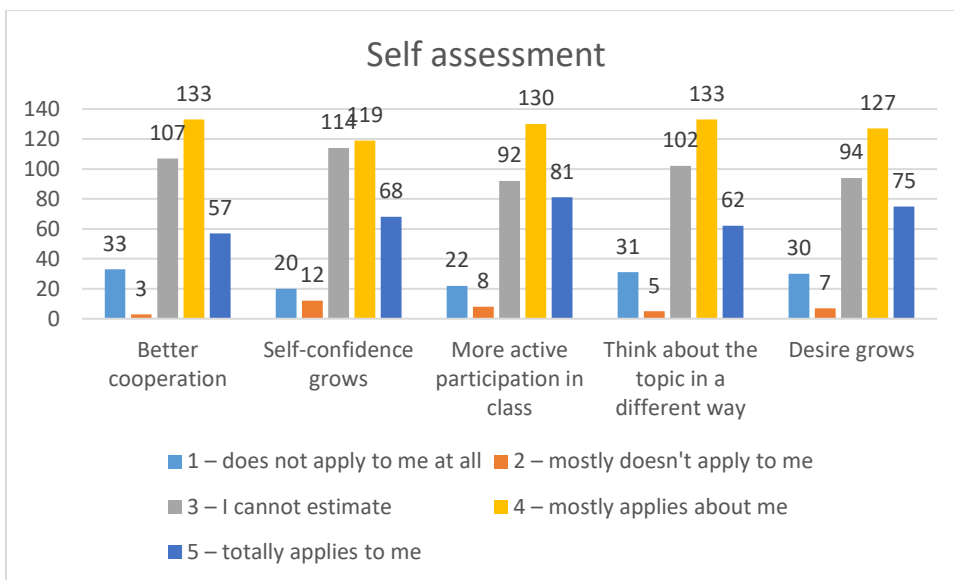
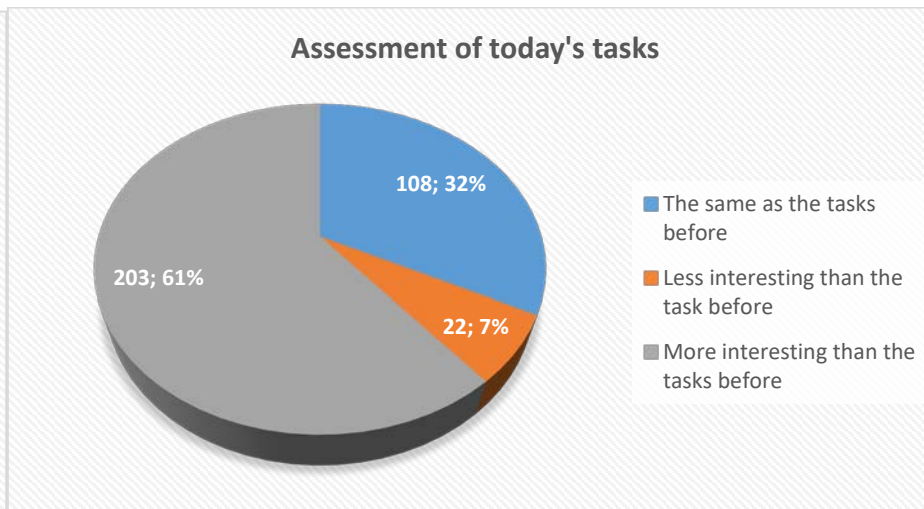
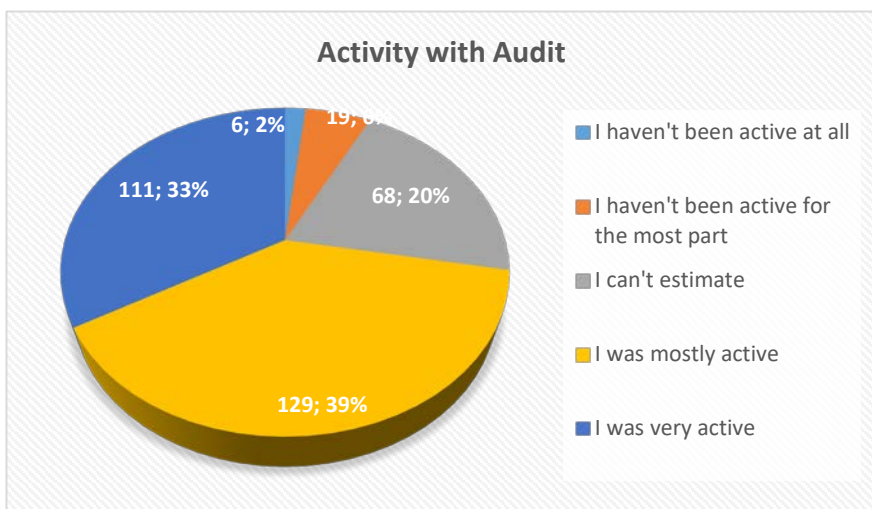
What could motivate you to learn more about the covered topic



- The lessons are covered in a simpler way
- Lessons are taught using ICT technology
- Lessons are taught in a more accessible way
- Drugo

Rezultati post-pilotiranja







Piloting results

The highest results of the conducted survey brought the following findings:

Pre-piloting

1. Even 64% of students are inactive in class.
2. An equal number of students would and would not ask a question.
3. Students do not ask questions because they are: afraid of being ridiculed (18%), ashamed of performing in front of the class (even 25%), afraid of the teacher (21%)
4. All students want lessons to be simpler, more accessible and to use ICT in teaching.

Conclusion:

Based on the processed data, it concluded that students are interested in actively participating in classes, and that they want simpler lectures with the use of ICT in classes.

Post-piloting

1. Processing the lesson with Audit and new methods from the LMS pleased 60% of the students.
2. This kind of processing of the lesson encouraged the students to want to:
 - a. further research
 - b. additional thoughts
 - c. They would like to do other subjects in this way.
3. In pre-piloting, 64% were inactive in class, and with this new open method of teaching, post-piloting according to self-assessment, 72% of students were active.





- The students assessed that with the help of AudIT they cooperate better with colleagues, that they are more self-confident and active in class, that they think in a different way about the covered topic than before and that this method arouses the desire for increased activity.
- Finally, 74% of students would include ICT in their lessons.

2 CONCLUSION OF THE PERFORMED PILOTING

Active learning is rare in practice. In the project proposal, the intention to encourage interactivity in the lecture highlighted as a priority, and this need expressed by the students in the pilot with as many as 64%. In most cases, teaching conducted one-way by transmitting information. The results of the pilot show that with the application of AudIT in classes, a more active role of students in the educational process will begin (72% of students declared that they actively participate in classes). The system enables teachers frequently and appropriately ask students questions, and to encourage them to look for solutions to the problems presented by the teacher, as well as to encourage them to ask spontaneous questions during lectures, which significantly improves the quality of acquired knowledge and understanding of the material.

In the piloting, the following values of using AudIT highlighted:

- Encourages students to do new research and new thinking (57%),
- They want to do other subjects in this way (56%),
- Their self-confidence increases (3%),
- Mutual cooperation becomes important to them (59%) i
- They are more active and enjoy classes more (61%).

These students' evaluations clearly indicate that the use of AudIT is multifold beneficial for both teachers and students, and the project team suggests that it be used in classes to encourage teacher-student interactivity.

