









WHAT INFLUENCES STUDENTS TO STUDY INFORMATION AND COMMUNICATION TECHNOLOGY?

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Introduction

- The role of ICT has increased rapidly.
- The lack of the labour with good ICT knowledge and skills (Hüsing et al., 2013).
- Dropout in ICT related curricula is a worldwide problem. Average dropout in Europe is 19% (Hüsing et al., 2013).















Introduction

- Many ICT students start working during studies.
- The importance of bachelor's degree (in USA) has grown and employees with higher education earn more (Sum et al., 2007).
- Motivation is important in finishing studies (Bruinsma, 2004).















Research questions

- (1) What are the reasons why students want to study ICT?
- (2) What are the reasons why ICT students start working while studying?













Methods

- September 2013
- 517 first year ICT students
- From 8 different curricula and 3 main universities in Estonia where ICT is taught
- Questionnaire which contained multiple choice and open ended questions
- ICT students perception













Qualitative content analysis

- A coding schema of categories was inductively developed based on the data of every open-ended question.
- Two raters specified the categories until it was possible to reach 80% accuracy.
- Two researchers carried out the data analysis.
- 10% randomly selected answers were independently analysed to test for inter-rater reliability (Cohen's Kappa > 0.8).















The 'breaking point' that caused interest in ICT

Category	Percentage
First computer, experience of doing something	36%
Computer lessons	9%
Someone recommended, role model	9%
Everyday contact with ICT	7%
Computer games	6%
ICT field is important	5%
Interest came with time	5%
Interest in mathematics	4%
I like ICT	3%
Salary	2%
Other	14%













Was the 'breaking point' also the reason why they chose this curriculum? If NO, then why?

Category	Percentage
The curriculum was suitable	40%
Interest in ICT	17%
Job opportunities	16%
Someone recommended	5%
I like ICT	3%
Other	19%





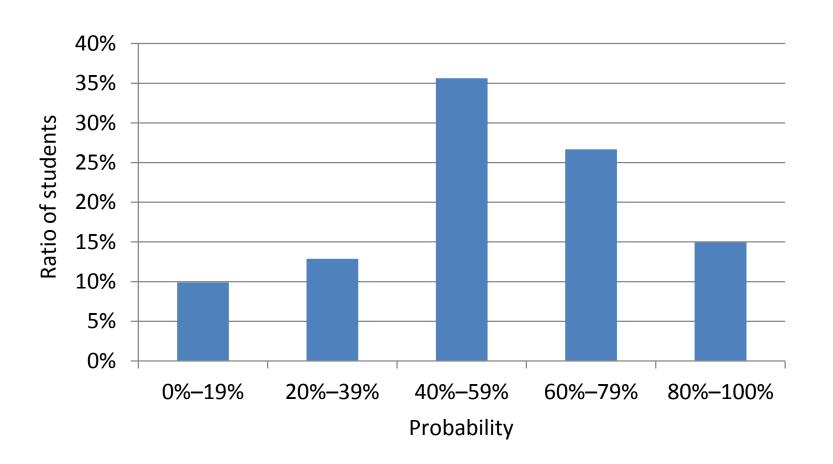








Probability of starting working during studies







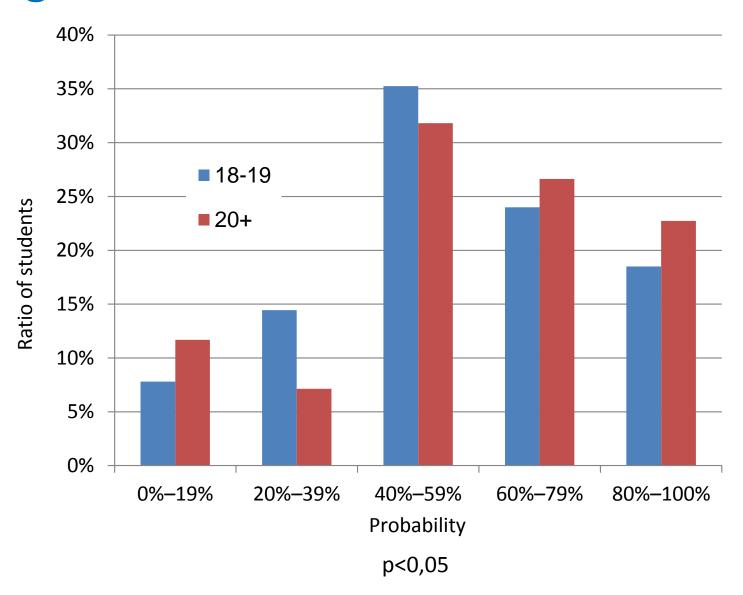








Probability of working during studies – age differences









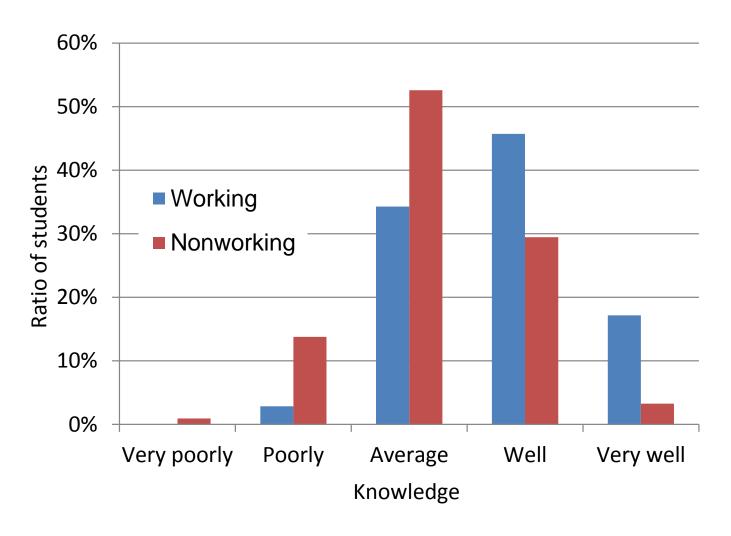








Knowledge of opportunities in ICT fieldworking and not working students















Reasons to start working during studies

Reasons	Percentage
Financial situation	42%
Work experience	28%
Suitable job	12%
Having enough time	9%
Other	6%
Will not start work	3%





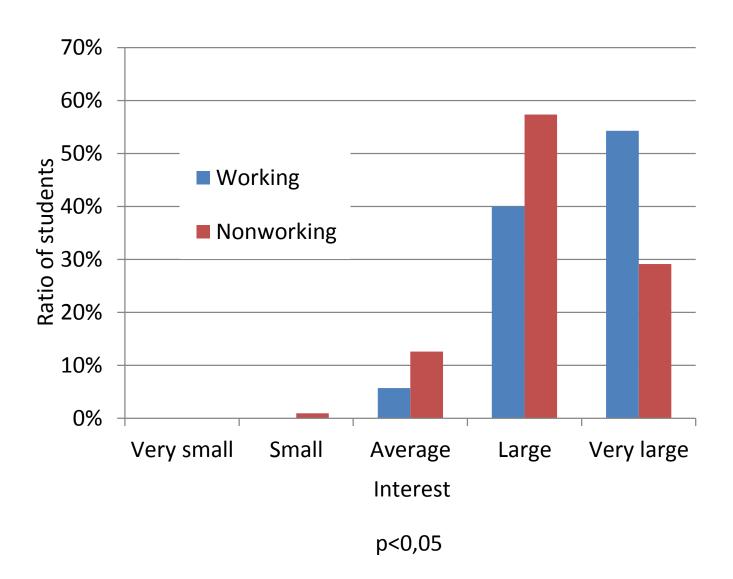








Interest in ICT – working and not working students















Recommendations for practice

- Personal computers for children
- Attractive ICT curriculum
- Higher financial support for students
- More work practice













Thank you!

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