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LGCKING FOR A MAJOR?

Technical Knowledge vs. Broader Social Values in Computing Majors

AIM

Our goal is to understand which topics universities focus on to describe their

The universities observed were





EDUCATIONAL LEMMAS

SOCIAL LEMMAS TECHNICAL LEMMAS



majors and present their curricula on their websites, and consequently picture how computing could be perceived by prospective students.

DATA COLLECTION

- ▲ 4 European universities
- 🕱 32 majors' descriptions
- €88 titles of courses and 232 learning
 outcomes' descriptions

Data analysis

1 Text preprocessing

- 2 Computation of lemmas frequency and relative document frequency
- Coding of lemmas into three categories: social, educational, technical

primarily concerned with the technical aspects of the field...

RELATIVE DOCUMENT FREQUENCY OF MOST COMMON LEMMAS (RDOCF)



`~ - · SMALLER DOTS < 30%

... despite the fact that they recognized the social aspects of computing.

Because GenZ students are drawn to fields that allow them to contribute to society, it is critical that we look into how we present computing.

This exploratory study raises concerns that a lack of emphasis on computing's social implications may discourage students who want to work for the greater good.

This project was partially supported by COST Action CA19122 - **EUGAIN** (European Network for Gender Balance in Informatics)



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