Paid Summer Internship Opportunity: Intelligent Tutoring System for Fractions

The goal of our project is to investigate open questions about learning with multiple graphical representations of fractions in the context of intelligent tutoring systems.

We will be looking for a student with a background in psychology, learning sciences, instructional technology, human-computer interaction, computer science, anthropology, or education. The student should be knowledgeable in mathematics and have some experience in working with children, and have additional interest in learning about qualitative research methods and the development of intelligent tutoring systems.

The student who will participate in our research project will learn about the processes involved in research in the learning sciences. The student will be guided in setting up think-aloud sessions, in collecting think-aloud protocols, and in user testing. The student will be involved in developing and revising an appropriate coding scheme for the verbal protocols. Furthermore, the student will learn about tutor design principles, and gain insights into the development of intelligent tutoring systems. Finally, the student will be guided in using the results to draw conclusions that are relevant to our project goals.

Contact Martina Rau at fractionstutorgroup@gmail.com about this paid internship opportunity.