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Shared Tasks as innovative approach

for implementing AI- and Big Data-based applications in the context of higher education



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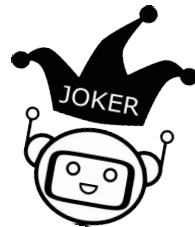
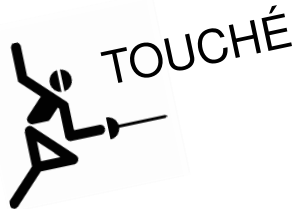
Project Content

„Shared Task“ :

- Friendly scientific competition to develop computer-based solutions for research problems that are compared in a laboratory setting

Example: „Given a collection of texts, classify each text’s genre!“

Observation: Increasing number of participating (computer-)science students, not only researchers.



→ **Project Content:**

Apply the concept of shared tasks to teaching practice.

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Objectives

Didactics :

- Systematize and explore the use of shared tasks in teaching practice

Computer Science :

- Develop our unique shared task platform further, including for use in teaching



TIRA

Interdisciplinary (Didactics + Computer Science) :

- Explore AI-based approaches to (semi-)automate student feedback

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Milestones (Selection)

- ❑ Use Shared Tasks in teaching different courses (e.g. Information Retrieval, Robotics)
- ❑ Adapt the TIRA platform to a teaching context (test with teachers and students)
- ❑ Explore possibilities of automated student feedback based on shared task data

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Many thanks!

<https://sharki-project.github.io/>



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