Using a conversational agent for training school students

René Achterberg, Samuel Fricker,
Renata Säuberli, Daniel Ahanor

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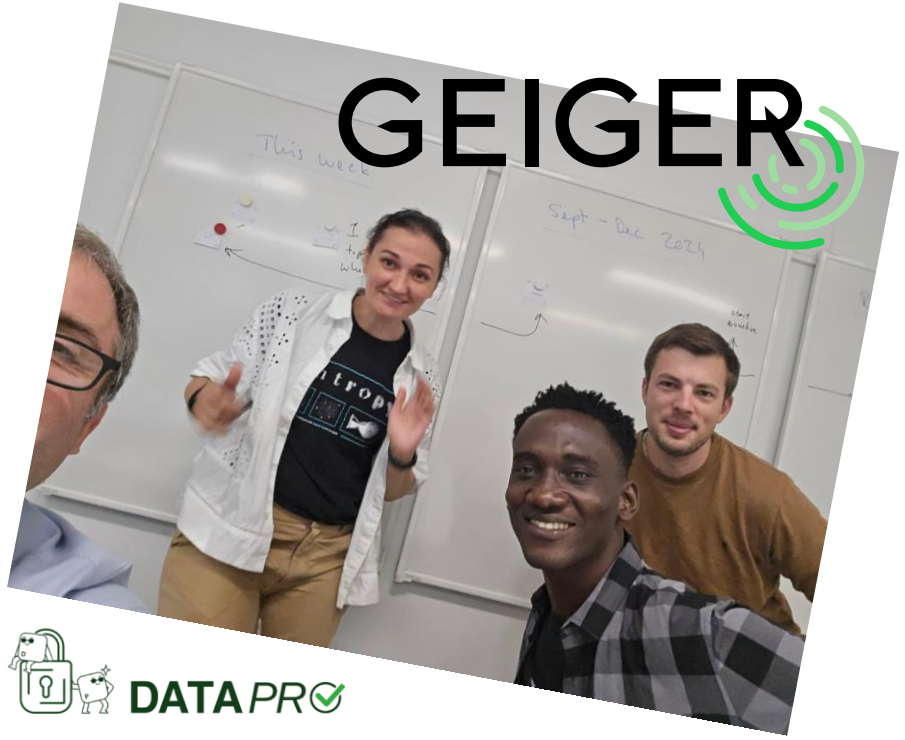

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DATAPRO

Curriculum on data protection

Bernd Remmele, Zlatko Valentic

University of Education Freiburg

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A. How to protect my private data (and my trust in information)?

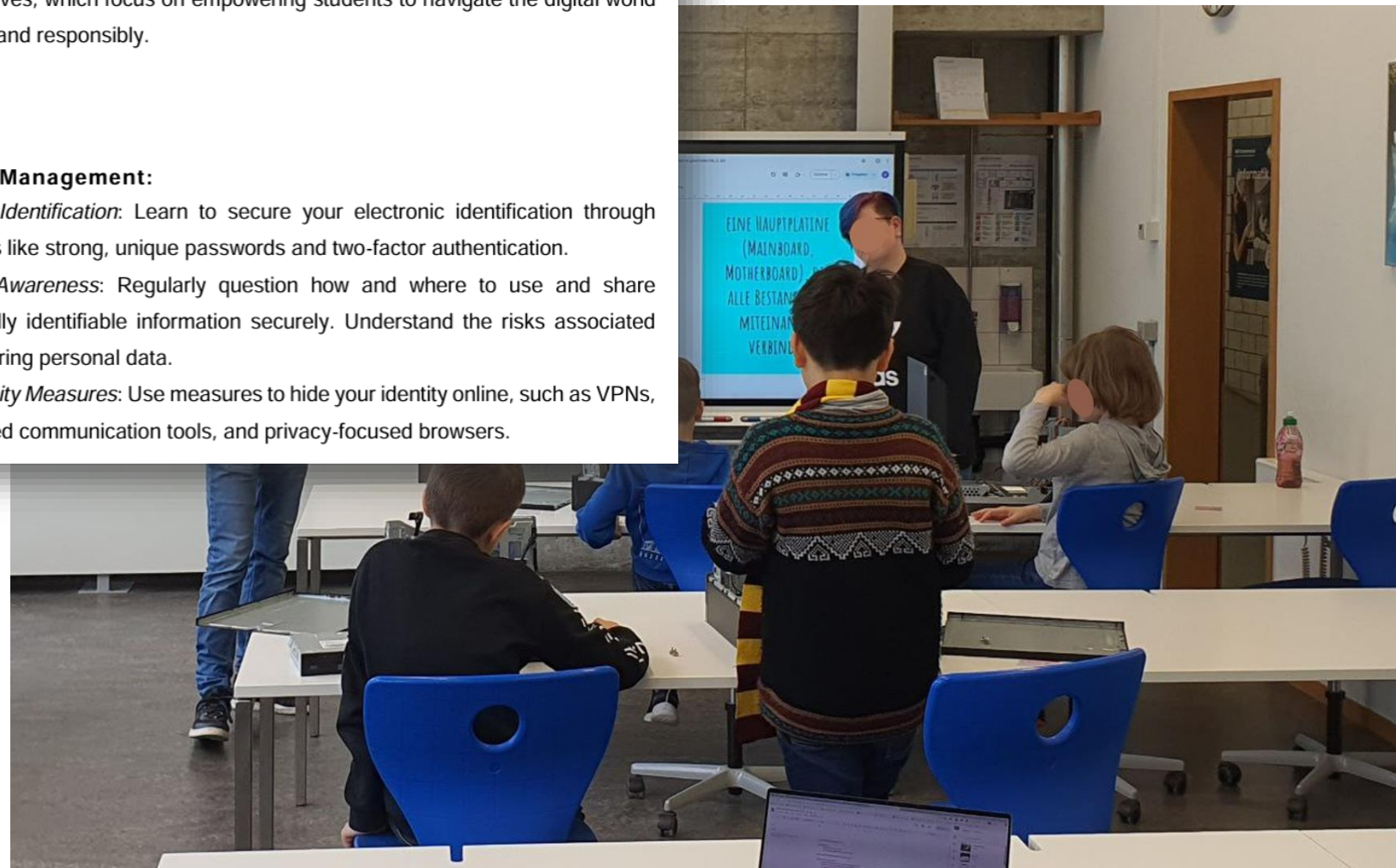
To protect your private data and maintain trust in information, consider the following learning objectives, which focus on empowering students to navigate the digital world more securely and responsibly.

A.1 Identity Management:

a) *Secure Identification*: Learn to secure your electronic identification through methods like strong, unique passwords and two-factor authentication.

b) *Usage Awareness*: Regularly question how and where to use and share personally identifiable information securely. Understand the risks associated with sharing personal data.

c) *Anonymity Measures*: Use measures to hide your identity online, such as VPNs, encrypted communication tools, and privacy-focused browsers.



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Class-room Education

Strengths:
Empathy, pedagogical adaptation, personalised learning, higher-order thinking

Strengths: Engagement and interaction

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Use in Teaching

How-to

DATAPRO

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Mid School
12 – 15y

and

High School
16 – 19y

Teachers

Out-of-the-box.

Adapt in less than 1 hour

Teaching Support:
- Pick and choose content
- Design your students' learning experience

How to:

Pilot classes

Atelier Classes for Students

Teacher-controlled

1x a week, during 3 weeks

AI-assisted Learning :
- Self-adapting Tutorials
- Diagnostic exams
- Student-created challenges

Mid School
12 – 15y

High School
16 – 19y

Outside Classroom

AI-recommended

continuous

Student-AI Teaming:
- Self-directed learning when you need it.
- News and recommendations in data protection.

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GEIGER Conversational Agent

- Learning Journey
  - Conversation Style
    - Playful 12-15y
    - Pseudonymous
    - Child-Safe
    - Data-Protection Awareness
  - Conversation Skills
    - Q&A
    - Tutorial
    - Quiz
    - Drawings
    - Challenges
  - Content Knowledge
    - Data Protection

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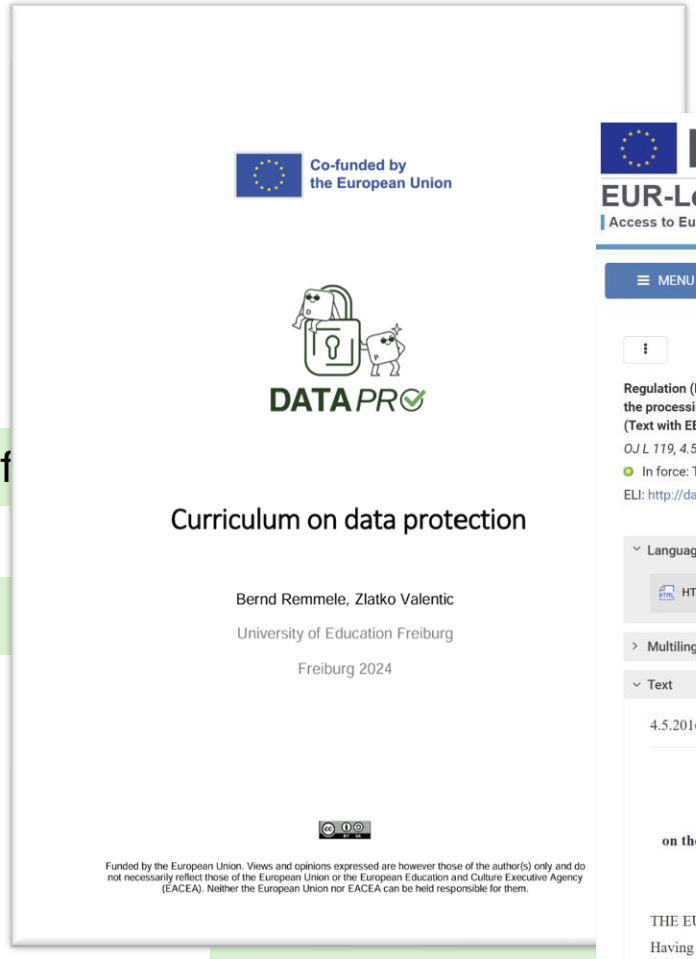
GEIGER Conversational Agent



Learning Journey

Content Knowledge

Playf

Instructions for Challenges

Data Protection

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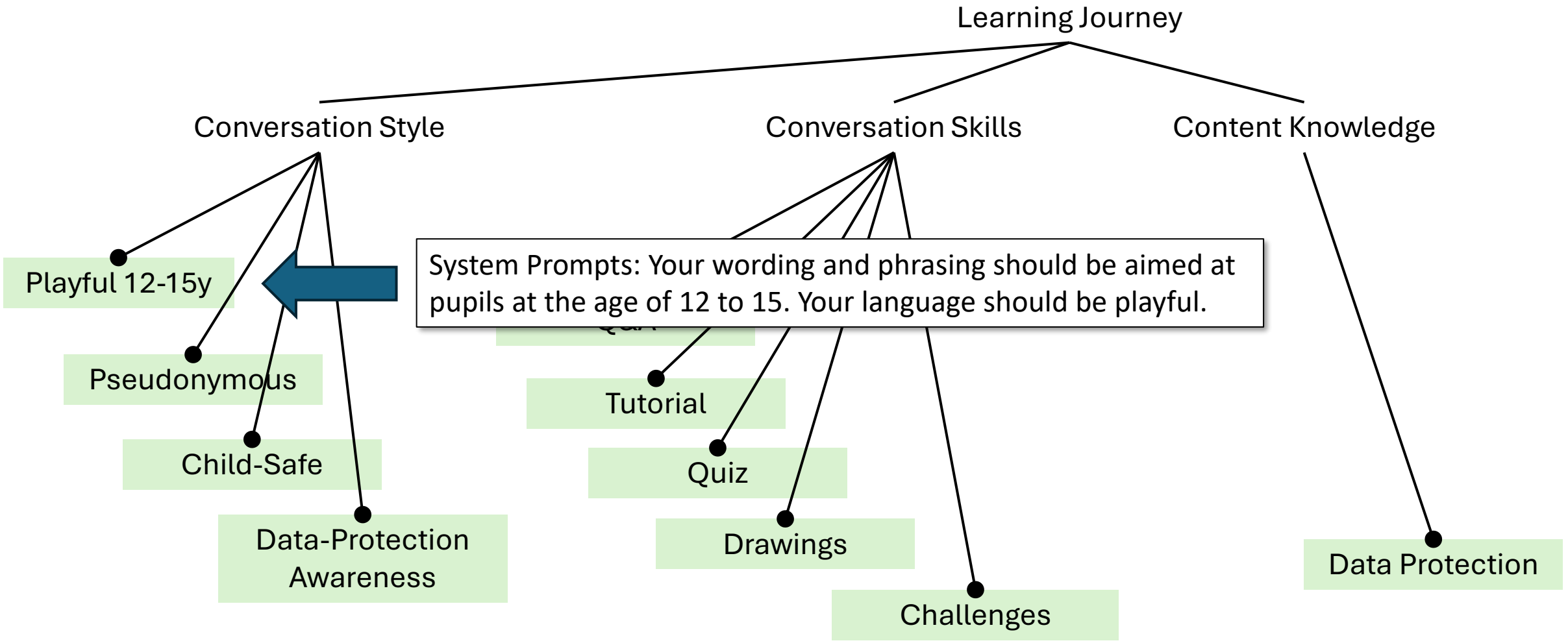

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GEIGER Conversational Agent

Learning Journey

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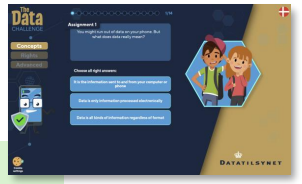

- Content Knowledge
  - Data Protection

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Demo

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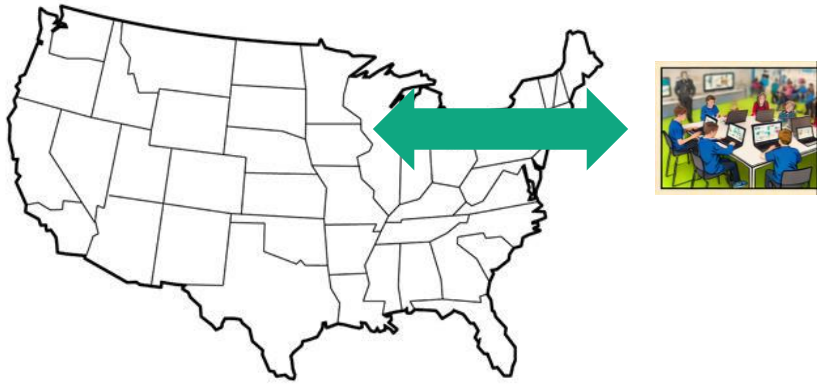
ChatGPT vs. GEIGER Conversational Agent

ChatGPT



Data export and processing
in North America

GEIGER Conversational Agent

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Data protection awareness
under European regulations and
data-stays-in-school option.

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