



Understanding Stakeholder Awareness and Integration of AI in School External Evaluation

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Objectives

This study aims to investigate the awareness and acceptance of AI technologies among school evaluators, particularly focusing on the Technology Acceptance Model (TAM). It addresses the factors influencing evaluators' acceptance, perceived ease of use, and usefulness of AI-powered tools.

Introduction

**The broader
context of AI in
education**

**The importance
of AI in school
evaluations**

Significance of the Study

Gap in Research

Limited studies on Tech / AI adoption in school external evaluations.

Importance

Critical to understand evaluators' approaches to Tech / AI.

Supports data-driven assessments for school improvement.

Research Questions



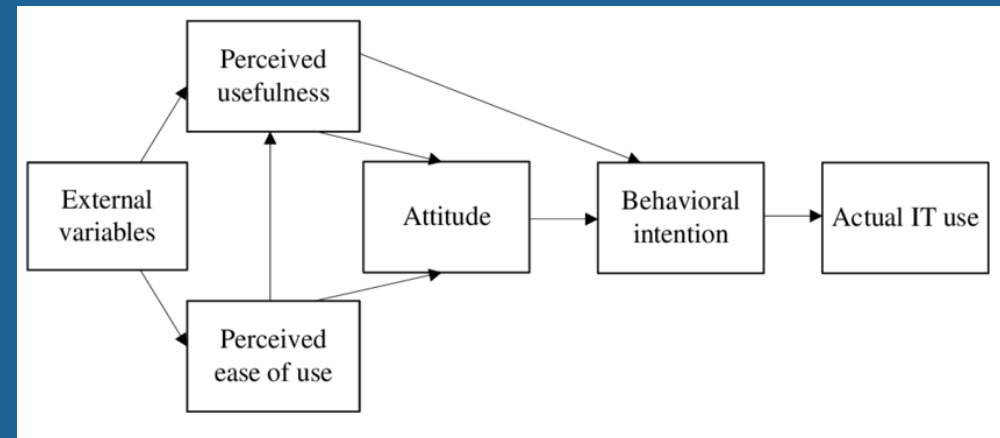
To what extent are European school inspectors aware of the capabilities and potential applications of AI in school evaluation?



How do European evaluators perceive the ease of use of AI tools, and how does this affect their acceptance of AI?

Theoretical Framework

The study utilises the Technology Acceptance Model (TAM) to understand how external evaluators perceive and accept AI tools in school evaluation. It examines the relationship between awareness and technology adoption.



Technology Acceptance Model (Davies, 1989)

AI in School External Review

AI in Education

Role of External
School
Evaluators

Technology use
by
Inspectorates



Methodology

- **Mixed-Methods Approach:** Combines structured questionnaires and semi-structured interviews.
- **Data Sources:** 56 Questionnaires and 6 interviews with educational evaluators across Europe.
- **Analysis:** Quantitative analysed, while qualitative insights were done through thematic analysis using MAXQDA

Participant Demographics

Countries Represented

- Portugal, Malta, United Kingdom, Bulgaria, etc.

Roles

- Inspectors, Education Officers, Senior Positions.

Experience Levels

- Average of 14.7 years in educational evaluation.

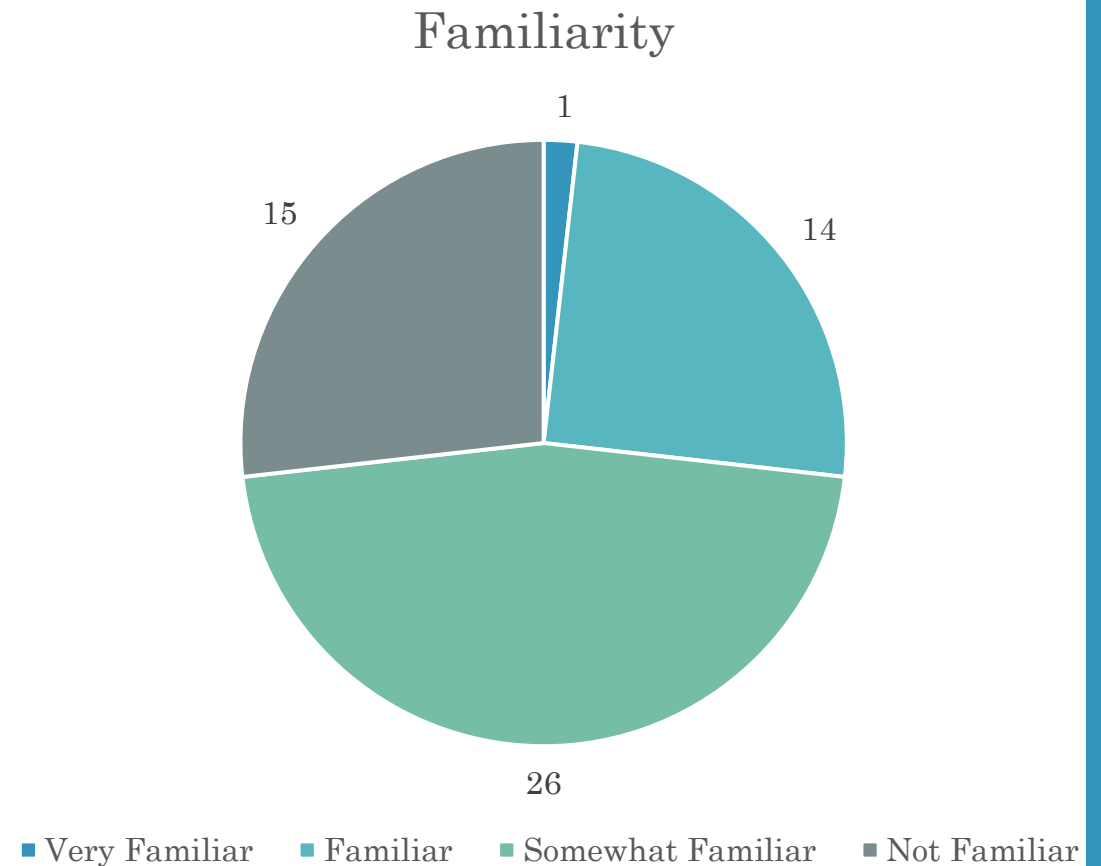
Key Findings: Familiarity with Emerging Technologies

Varied Levels of Familiarity

- High familiarity: Engaged with AI tools like ChatGPT.
- Low familiarity: Limited or no practical experience.

Implications

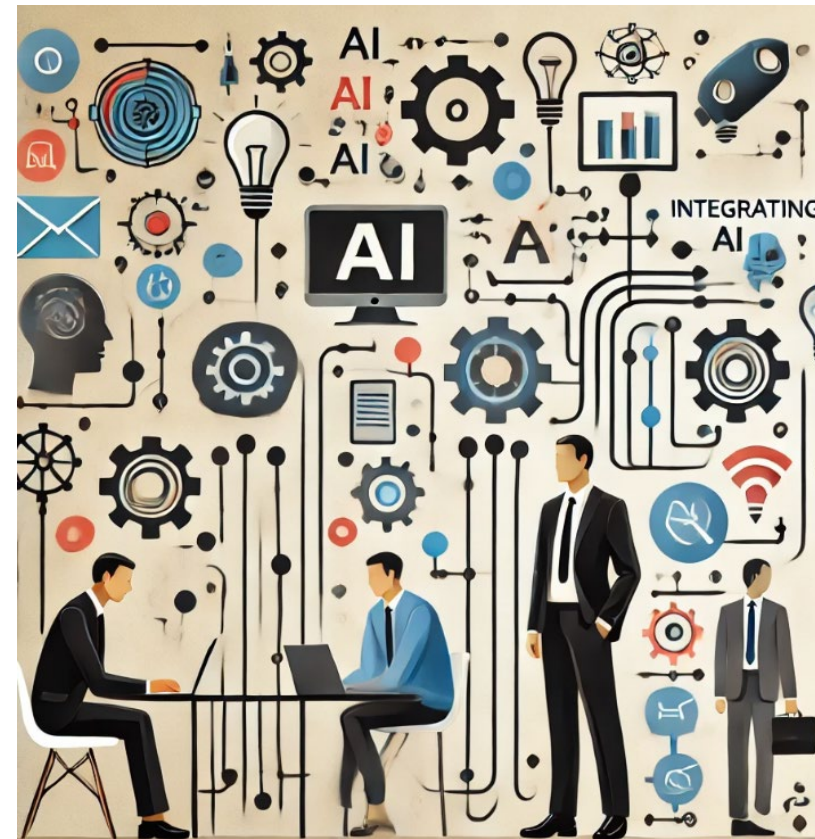
- Familiarity influences perceptions of AI's usefulness and ease of use.



Key Finding: Perceived Ease of Use

Mixed Perceptions

- Those familiar find AI relatively easy to integrate.
- Others see AI as complex without proper training.



Key Finding: Perceived Usefulness

Positive Perceptions

- AI can improve efficiency and consistency.
- Useful for data analysis, report writing, predictive analytics.

"AI will generate reports that are more uniform across the pace ... that would be exceptionally helpful, I think in terms of efficiency as well, because there's quite a bit of time spent editing reports, peer editing reports, sending them then on up for line manager approval."

Interviewee 3

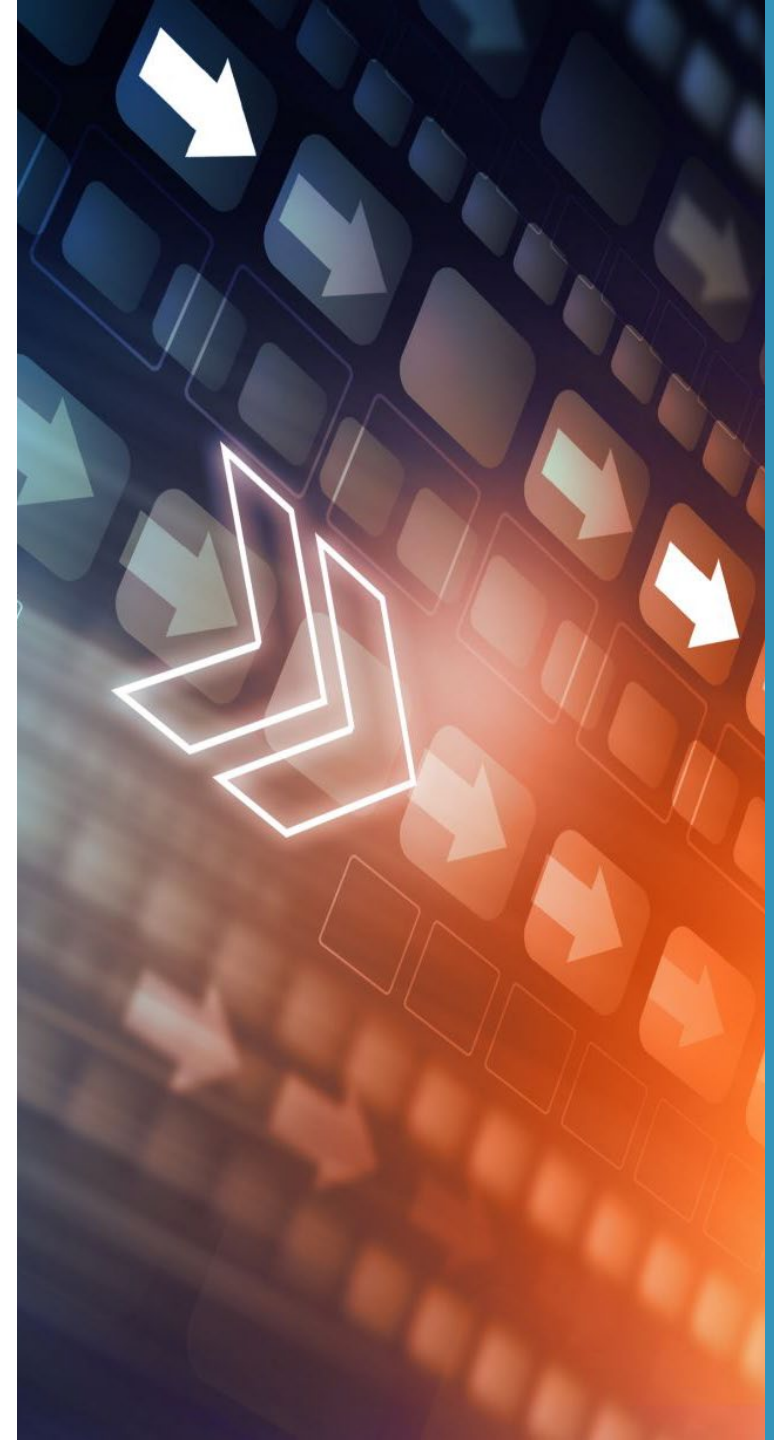
Key Finding: Integration of Technology

Current State

- Limited integration of digital technology in evaluations.
- Majority report partial or no integration.

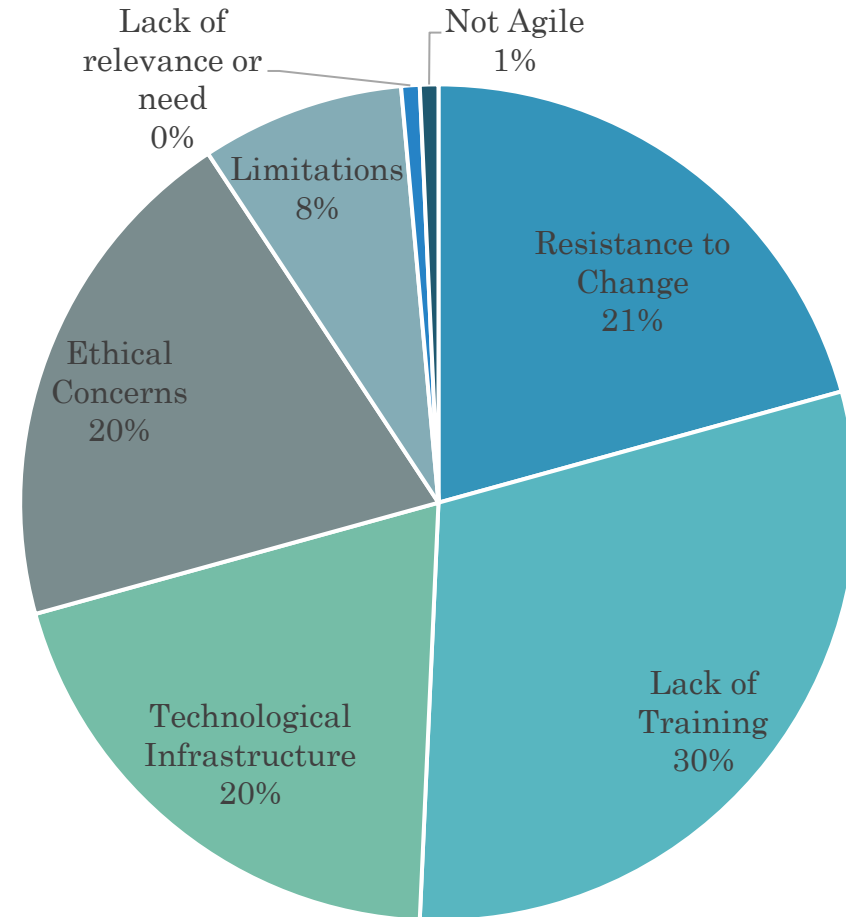
Challenges

- Gap between potential benefits and actual usage.



Key Finding: Barriers to AI Adoption

- Lack of training (most significant).
- Resistance to change.
- Inadequate technological infrastructure.
- Ethical concerns (bias, data privacy).





Key Finding: Ethical Concerns

- Potential reinforcement of biases.
- Data privacy and security risks.
- Transparency in AI decision-making.

Familiarity Influences PU and PEOU

- More familiar evaluators perceive higher usefulness and ease of use.

Barriers Impact Behavioural Intention

- Aligns with TAM's prediction on technology adoption.

Comparison with Literature

- Consistent with findings on technology adoption in education.
- Highlights unique challenges in external evaluations.

Implications for Policy and Practice



**Professional
Development**



**Infrastructure
Investment**



**Ethical
Guidelines**



**Stakeholder
Engagement**

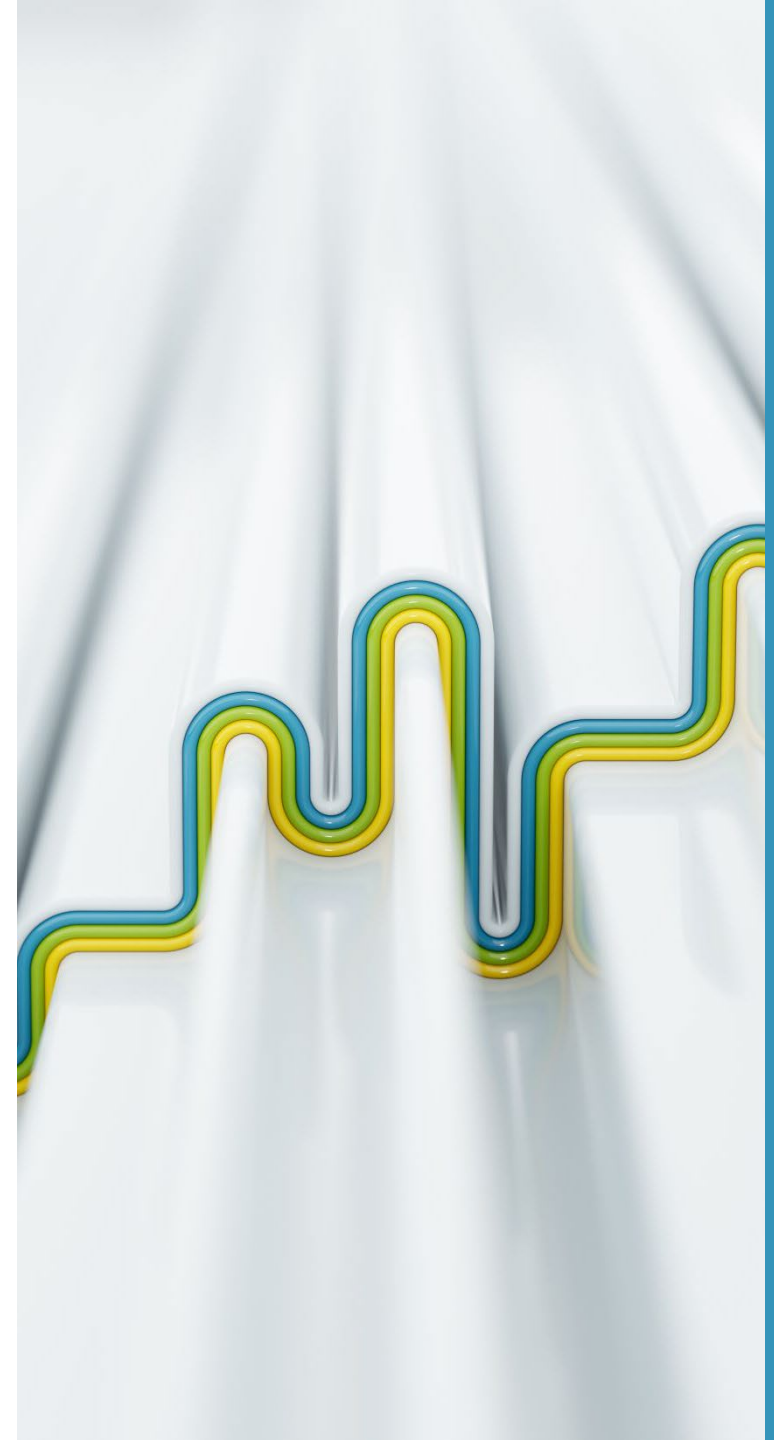
Limitations of the Study

Sample Size

Design Constraints

Translation Issues

Technological Variance



Future Research

- Larger, more diverse samples for broader insights.
- Longitudinal studies to track changes over time.
- In-depth exploration of ethical implications.
- Comparative studies across different educational systems.

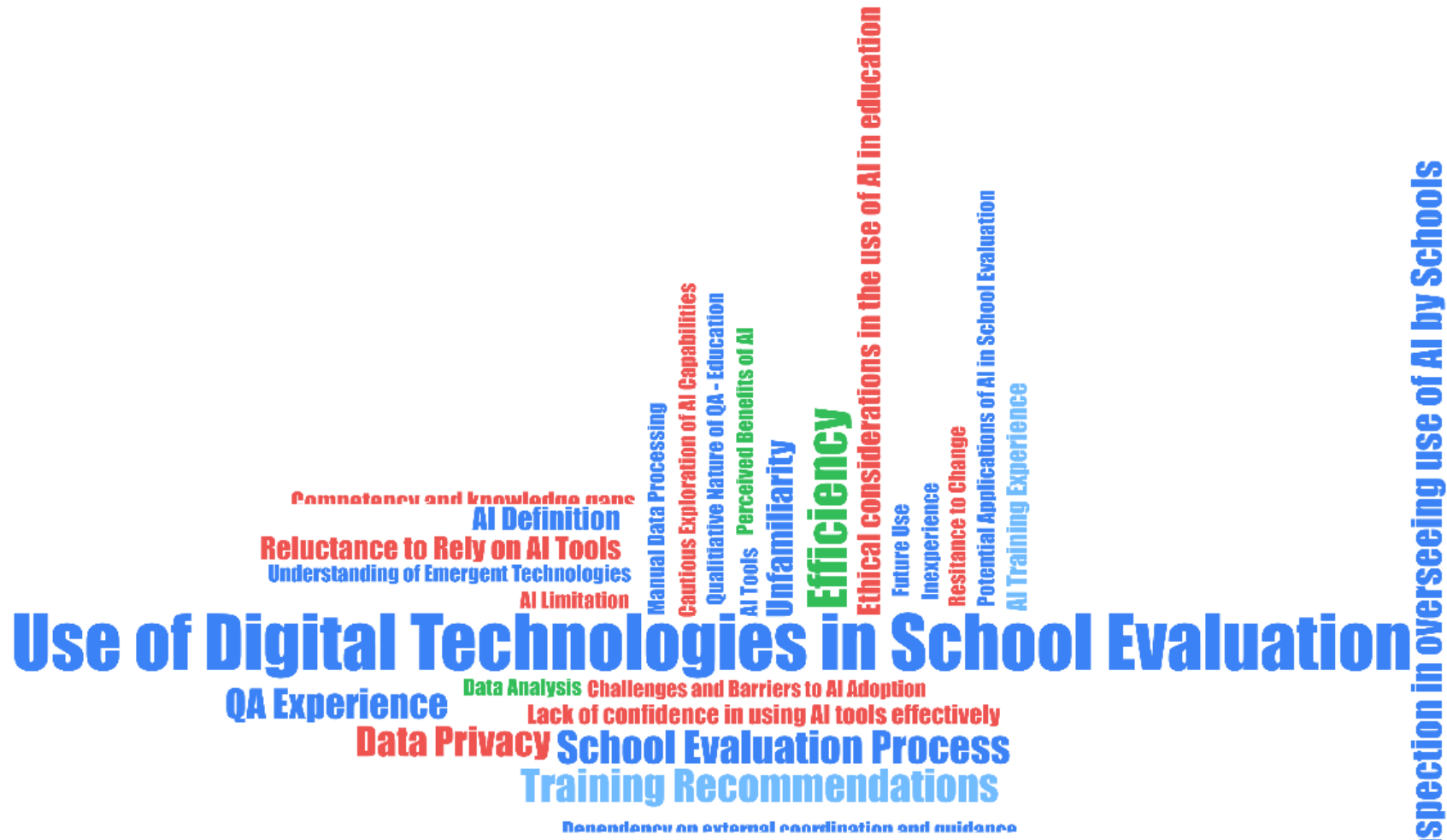


Key Takeaways

AI holds significant potential for improving school evaluations but faces challenges related to awareness, adoption barriers, and ethics.

Training and infrastructure investments are critical to addressing these challenges.

Ethical considerations must be central to AI adoption.



Role of Inspection in overseeing use of AI by Schools

Your Questions and Insights

THANK YOU

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