

ETHICAL AND LEGAL CONSIDERATIONS OF USING AI IN BUSINESS EDUCATION

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<https://doi.org/10.34293/9789361634437.ch.021>

Abstract

The increasing adoption of artificial intelligence (AI) in business education raises critical ethical and legal questions that educators and institutions must address. This chapter explores the challenges and responsibilities associated with integrating AI into accounting and human resources (HR) pedagogy, focusing on key issues such as data privacy, algorithmic transparency, bias mitigation, and accountability. It examines the ethical dilemmas posed by AI-driven decision-making in learning environments and highlights the need for fairness, explainability, and inclusivity in AI applications. From a legal perspective, the chapter analyzes compliance requirements, intellectual property concerns, liability frameworks, and the implications of global regulations like the GDPR. By offering practical guidelines for ethical AI deployment, this study aims to support educators in leveraging AI responsibly while maintaining academic integrity and legal adherence. The insights provided contribute to the ongoing transformation of business education in the AI era, ensuring that technological advancements align with ethical and regulatory standards.

Keywords: *Artificial Intelligence, Business Education, Business Education, Technological Advancements, Transparency, Bias Mitigation, Accountability.*

Introduction

The integration of artificial intelligence (AI) into business education has revolutionized teaching methodologies, curriculum design, and student assessment. However, its rapid adoption brings forth significant ethical and legal challenges that educators, institutions, and policymakers must address. AI applications in accounting and human resources (HR) pedagogy such as automated grading, personalized learning, predictive analytics, and AI-driven recruitment simulations raise concerns about data privacy, algorithmic bias, accountability, and regulatory compliance.

This chapter examines the ethical dilemmas and legal frameworks surrounding AI in business education, focusing on accounting and HR disciplines. It explores the balance between innovation and responsibility, proposing best practices to ensure AI is used ethically, transparently, and in compliance with global regulations.

Ethical Considerations in AI-Driven Business Education

Recent research on AI in business education highlights critical ethical concerns that institutions must address to ensure responsible adoption. This section delves into four key ethical challenges—data privacy, algorithmic bias, transparency, and academic integrity—drawing from recent studies and publications in the field.

Data Privacy and Student Consent: AI-powered educational tools collect vast amounts of student data, including academic performance, behavioral analytics, and biometric data.

Key ethical concerns include informed consent, data security risks, and third-party data sharing. Many students are unaware of how their data is used, and only 32% of students fully understand AI data policies (Zawacki-Richter et al., 2023). Institutions must adopt granular consent mechanisms to allow students to opt-in/out of specific AI-driven processes. AI systems are vulnerable to cyberattacks, and end-to-end encryption and zero-trust security models are recommended (Reidenberg & Schaub, 2024). Third-party data sharing is another concern, as many AI EdTech providers sell anonymized student data to advertisers or developers (Williamson & Eynon, 2024). Institutions must ensure vendors adhere to data minimization and purpose limitation principles. Best practices include adopting Privacy-by-Design AI frameworks and conducting Data Protection Impact Assessments (DPIAs) before deploying AI tools (Hoel & Chen, 2023).

Algorithmic Bias and Fairness: AI models in business education often inherit biases from training data, leading to discriminatory outcomes in grading, admissions, and career counselling (Noble, 2023). Recent studies have shown bias in AI grading systems, where non-native English speakers are penalized by 12-15% compared to human graders. AI-driven mock interviews favored male candidates in leadership scenarios due to historical hiring biases (Koedinger et al., 2023). To address this issue, adversarial training can be used to debias algorithms (Raghavan et al., 2023). Mitigation strategies include bias audits, inclusive dataset curation, and human-AI collaboration, which involve regular fairness assessments, incorporating diverse student demographics, and ensuring educators review AI-generated decisions ((Barocas et al., 2023; Holstein et al., 2024).

Transparency and Explainability: The lack of interpretability in AI models, such as deep neural networks, raises ethical concerns in high-stakes educational decisions (Doshi-Velez & Kim, 2023). A survey of 1,200 business students found that 68% distrust AI-generated feedback when explanations are absent (Wang & Baker, 2024). Explainable AI techniques (LIME, SHAP) can improve trust. The EU AI Act mandates AI systems in education to provide meaningful explanations for automated decisions (Wachter et al., 2023). Best practices include using interpretable models like decision trees and clearly informing students when AI evaluates their work.

Academic Integrity and AI Misuse: Generative AI, such as ChatGPT and Gemini, is posing challenges to traditional plagiarism frameworks (Cotton et al., 2023). Recent research shows that 53% of business students use ChatGPT for assignments (Perkins et al., 2024). AI-generated text evades traditional plagiarism checkers, and tools like Turnitin's AI detector show high false-positive rates, disproportionately flagging non-native English speakers (Weber-Wulff et al., 2023). Solutions include authentic assessments, such as case studies and oral exams, and AI literacy education, teaching ethical AI use (Liang et al., 2023)

Research highlights the need for ethical AI governance in business education, focusing on data privacy, bias mitigation, transparency, and academic integrity. Strengthening consent mechanisms, auditing AI systems, adopting explainable AI, and redesigning assessments can help institutions harness AI's potential while upholding ethical standards.

Legal Frameworks and Compliance

Recent scholarship has highlighted the complex legal landscape surrounding AI implementation in business education, particularly concerning intellectual property, liability, and regulatory compliance. This section examines these issues through the lens of contemporary research and emerging legal standards.

Intellectual Property (IP) and Ownership: The ownership of AI-generated content remains a contentious issue in various jurisdictions, with the US Copyright Office reaffirming that works created solely by AI without human authorship cannot be copyrighted (Lemley & Casey, 2024). The EU's Artificial Intelligence Act introduces new considerations for IP rights in machine-generated content, while the UK Copyright Act remains unique in protecting computer-generated works for 50 years (Veale & Zuiderveen Borgesius, 2023). Key issues in educational context include course materials development, student work and AI, and training data controversy. Harvard Business School's policy requires disclosure of AI assistance in course material creation, while a 2023 study found 62% of business students use AI for assignments (Reidenberg & Schaub, 2024). Training data controversy involves class action lawsuits against AI companies, and fair use defenses are being tested in courts. Emerging best practices include clear contracts with AI vendors, disclosure requirements for AI-assisted work, and student copyright protection guidelines (Hoel & Chen, 2023).

Liability for AI Errors: Recent legal scholarship has identified three potential liability models for AI-driven decision-making in education: institutional liability, vendor liability, and shared responsibility models (Berenson et al., 2024). Institutions may be responsible for tools they adopt, as seen in the University of Texas case. Vendors may also be held accountable, as seen in Microsoft's 2024 AI Education Partner Program. A proposed "AI Accountability Framework" from Brookings Institution suggests proportional liability based on institutional oversight, vendor transparency, and user due diligence (Raghavan et al., 2023). High-risk scenarios in business education include assessment errors, career guidance systems, and predictive analytics. Risk mitigation strategies include new "AI Errors & Omissions" policies from major insurers, transparency protocols under the EU AI Act, and mandatory human review options for AI-driven decisions.

Compliance with Global Regulations: The General Data Protection Regulation (GDPR) has been enacted to regulate AI in education, with recent enforcement actions including a €2.3 million fine against a French business school for improper AI data processing. The Family Educational Rights and Privacy Act (FERPA) has updated its 2024 guidelines to address AI-specific concerns, including third-party AI vendors being considered "school officials" under certain conditions. The EU AI Act (2024) classifies educational AI as "high-risk" and requires fundamental rights impact assessments, quality management systems, and human oversight provisions. The US AI Bill of Rights (2023) also includes non-binding principles for educational AI.

Sector-specific guidelines include AACSB's 2024 standards including AI governance requirements and AICPA's guidance on AI in accounting education. Cross-border compliance challenges include conflict between China's AI regulations and Western norms,

data localization requirements in Russia, India, and Brazil, and implications for the Cloud Act for transnational educational AI systems. Implementation strategies include regulatory mapping, governance structures, technical compliance, and different privacy techniques for training data.

Recent legal developments highlight the importance of preserving human agency in educational decision-making, increasing transparency requirements, evolving liability frameworks, and requiring sophisticated regulatory technology solutions for global compliance. Leading institutions are developing specialized AI legal teams, cross-functional governance committees, and investing in compliance automation tools. The Cambridge Handbook of AI in Education predicts standardized AI liability insurance products, international certification systems for educational AI, and specialized AI courts for education-related disputes within 3-5 years.

Best Practices for Ethical and Legal AI Integration

Recent research underscores the need for structured governance frameworks to ensure AI is deployed responsibly in accounting and HR education. Below is a detailed, citation-backed analysis of evidence-based best practices.

Establish an AI Ethics Committee: AI ethics committees are responsible for overseeing AI use to prevent bias, privacy violations, and misuse (Floridi et al., 2023). They are formed by educators, legal experts, data scientists, and student representatives. Harvard Business School has implemented a cross-functional AI governance board to review AI tools before adoption (Brynjolfsson & McAfee, 2024). The University of Edinburgh requires ethics committee approval for AI-based assessments (Seldon & Abidoye, 2023). Key functions include reviewing AI tools for ethical risks, investigating student complaints, and updating policies in response to new regulations like the EU AI Act (Jobin et al., 2023; Wachter et al., 2023).

Conduct Regular Audits: AI audits can be classified into bias audits, accuracy audits, and compliance audits. Bias audits use fairness metrics to detect discriminatory patterns, such as gender bias in AI career advice (Mehrabani et al., 2024; Raghavan et al., 2023). Accuracy audits compare AI grading against human evaluators, with a 15% error rate in complex accounting case analyses (Koedinger et al., 2023; Berenson et al., 2024). Compliance audits check adherence to GDPR, FERPA, and AI Act (Veale & Zuiderveen Borgesius, 2023). Tools for auditing include IBM's AI Fairness 360, Google's Responsible AI Toolkit, and Algorithmic Impact Assessments (AIAs), mandated by Canada's Directive on Automated Decision-Making.

Prioritize Human-in-the-Loop (HITL) Systems: HITL (Human-Informed Technology) is a system that prevents over-reliance on flawed AI judgments and is required under Article 14 of the EU AI Act for high-risk educational AI (Holstein et al., 2024). It involves AI role, human oversight, and various stages such as grading, career counseling, and admissions screening. A Stanford study found that HITL systems reduced AI errors in HR recruitment simulations by 37% (Liang et al., 2024). London School of Economics mandates human review for all AI-generated student feedback (Sellar, 2023).

Educate Stakeholders: The text highlights the importance of AI literacy programs, mandatory AI ethics courses, and updated honor codes in education (Dignum, 2023; Educause, 2024). It highlights Cornell's "Teaching with AI" workshop, which focuses on detecting AI plagiarism, bias, and ethical use (Bodie et al., 2024). It also mentions the University of Michigan's explicit prohibition of unethical AI use in assignments (West, 2023). Additionally, it emphasizes the need for workshops on AI procurement risks (Reidenberg & Schaub, 2024).

Adopt Transparent AI Policies: The policy outlines disclosure requirements for AI tools, appeal processes for contesting AI-generated grades, data usage transparency, and global standards like IEEE's Ethically Aligned Design and UNESCO's AI Education Guidelines (Roberts et al., 2024). For instance, the University of Toronto mandates syllabi to list all AI tools used (Zuboff, 2023). UCLA publishes an annual AI transparency report, while UNESCO recommends public AI use registries.

The summary discusses the implementation of practices in business schools to harness AI's potential while mitigating ethical and legal risks. Key benefits include supporting research, forming ethics committees, conducting regular audits, improving decision accuracy, educating stakeholders, and implementing transparent policies. The roadmap includes forming an AI ethics committee, conducting a pilot audit, training faculty, launching a student AI ethics curriculum, and publishing transparency reports and updating policies. These practices aim to reduce institutional risk and build trust in AI systems.

Conclusion

AI presents immense potential to enhance business education, particularly in accounting and HR fields. However, ethical and legal risks such as privacy violations, bias, and regulatory non-compliance must be proactively managed. By adopting responsible AI governance frameworks, institutions can harness AI's benefits while upholding academic integrity and legal standards.

The rapid adoption of AI in business education presents both opportunities and ethical challenges. Key ethical concerns include data privacy and consent, algorithmic bias and fairness, transparency and explainability, academic integrity, intellectual property uncertainties, liability for AI errors, and global regulatory compliance. Data privacy and consent are crucial, as AI systems rely on vast amounts of student data, raising concerns about informed consent, security breaches, and third-party sharing. Algorithmic bias and fairness are significant issues, with automated essay scoring systems penalizing non-native English speakers. Transparency and explainability are essential, as "black-box" AI systems lack interpretability, leading to student distrust. A five-pillar framework is recommended for responsible AI adoption.

Future Directions: The future of AI in business education depends not just on technological advancements, but on a commitment to ethical principles and accountability. Recent research indicates that the EU AI Act (2024) will likely lead to stricter global regulations in the US, Canada, and Asia. The AICPA and AACSB are developing AI-specific

accreditation standards. Advancements in Explainable AI (XAI) will improve transparency in AI-driven assessments. Authentic assessments will replace easily AI-cheatable assignments. Universities will adopt AI Liability Insurance to mitigate legal risks.

Recommendations: To ensure AI benefits business education, institutions should address biases through audits and inclusive data practices, clarify legal responsibilities in AI contracts, educate stakeholders on ethical AI use, maintain human oversight in high-stakes decisions, and advocate for clearer AI policies at national and international levels. As AI evolves, business schools must lead in developing ethical, legally sound frameworks.

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