

Legal and regulatory frameworks

Course Overview

Summary

In our rapidly evolving digital era, data has taken centre stage as the lifeblood of systems that assist us in navigating an increasingly complex and interconnected world. Data permeates every sector, from transportation and finance to healthcare, climate, and even space exploration.

The enhanced accessibility of data has recently facilitated significant breakthroughs, particularly in the realm of artificial intelligence (AI). The convergence of abundant data and advanced processing technologies has led to the anticipated revolution in the performance of Large Language Models (LLMs), including ChatGPT.

However, as these breakthroughs emerge, so do concerns about their ethical impact on individuals and the imperative for more stringent regulations. Within this section, we delve into the pivotal regulations that exert influence across all phases of the data lifecycle, with a particular emphasis on emerging AI regulations.

Furthermore, we address the intricate topic of data licensing, delving into the complex inquiry of whether an AI should possess the same rights as a human to peruse copyrighted content accessible online. We also tackle the responsibility surrounding instances where an AI generates derivative works that may potentially infringe upon copyright.

Learning Outcomes

This module will develop your understanding of the legal and regulatory frameworks that govern data practices.

To achieve this, you will:



- Develop an overarching understanding of Data Protection Laws (e.g., GDPR, PIPA, PECR, CCPA, etc.) and their purpose
- Examine rights and responsibilities in relation to data collection, sharing and use
- Understand the purpose of data licences and interoperability, and be able to evaluate the impact of data ethics when balancing legal compliance

Learning Experience

Number of modules	3 (+ reflective workbook)
Modality	Asynchronous / Self-directed / Online
Notional learning hours	2 hours (total)
Assessment	Formative
Certificate	Certificate of completion

Each module contains learning content that introduces the key concepts in the module, providing examples and case studies that demonstrate these concepts in practice. Each module contains a series of formative questions to support your learning. Learning is applied in activities throughout, and provides a basis for understanding the legal and regulatory frameworks that govern data practices, but also the purpose of data licences, interoperability and the importance of transparency to maintain trust.

Module Summary

Module Name	Description
Exploring data ethics amidst regulatory landscapes	This module delves into the intricate landscape of existing and emerging regulations within the realms of digital, data, and AI. By highlighting the impact of regulations on the ethical evaluation process, we explore the crucial role

	<p>compliance plays in navigating ethical boundaries. By examining the blurred lines between legality and ethics, learners will gain insights into the multifaceted landscape that underpins responsible and ethical digital practices.</p> <p>In this module we explore:</p> <ul style="list-style-type: none"> • Key regulations in the digital, data, and AI spaces. • The relationship between ethics and compliance • Emerging regulations in the AI space • Ethical Challenges in Evolving Regulations and the strategies for addressing these. • The Role of Transparency in Maintaining Trust
<p>Responsible practices for producers of data: data reuse and sharing</p>	<p>Restricting access to high quality data limits the ability for the collective benefit that comes from wider sharing; this in itself could be unethical. For example, wider sharing of data can help tackle the challenges in AI, from mitigating bias and increasing fairness to providing greater transparency and interpretability of models.</p> <p>This module introduces the key role of data sharing agreements and data licences as ways to safely share data and maximise its reuse.</p> <p>This module introduces:</p> <ul style="list-style-type: none"> • The benefits of data sharing to the data publisher • Why data sharing agreements and licences are important • The difference between data licences and data sharing agreements • Choosing between using a data sharing agreement and an data licence • How to build a data sharing agreement • How to build an open licence for data • Using existing open licences for data • Choosing a licence for data sharing
<p>Responsible practices for consumers of data: data reuse and sharing</p>	<p>Before any data can be collected, used or shared, it is important to understand who owns what data, who has rights over it and what permissions or responsibilities you, others or even an AI have in relation to the data. Projects that set out with good intentions to reuse existing data</p>

	<p>often encounter legal and ethical constraints which should be addressed as soon as possible.</p> <p>This module looks at the spectrum of data and how permission is granted and/or obtained to integrate, analyse and otherwise reuse data.</p> <p>This module introduces:</p> <ul style="list-style-type: none">● the value of reusing data from third-party sources● the importance of rights and permissions in data● a spectrum of data rights● identifying open, shared and closed data● obtaining rights to reuse third party data● what to do when things are unclear● considerations when working with data from multiple third parties● establishing the suitability of data prior to access and reuse● a decision-making flowchart for reusing data from third-party sources.
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