Data & AI curriculum

Introduction

By strategically integrating data and AI in Luxembourg, the country can position itself as a leader in innovation, economic growth and sustainable development. Collaboration between government, businesses and training providers will be crucial in creating an ecosystem that fosters the responsible and beneficial use of these technologies.

For every organisations, data has become a critical asset, enabling them to make informed decisions and gain a competitive edge. However, with great power comes great responsibility, and data governance has become a complex challenge in the era of digital transformation.

In close collaboration with PwC's subject matter experts, PwC's Academy has developed a multi-layered training curriculum for both juniors and experienced employees and managers seeking to expand their knowledge. It will enable them to understand the benefits and applications of data and AI, along with the relevant regulations, and anticipate future trends and challenges.

Your reasons why

Acquire new skills and competencies related to data and AI tools	Gain deeper and more insightful information on these innovative topics
Identify opportunities to improve internal organisational processes	Obtain a sufficient level of factual consideration to make informed business decisions
Understand current limits and risks involved with these topics	Navigate related regulations

pwc | *PwC's Academy*

Description

Our curriculum provides a comprehensive learning experience through three levels: Foundation, Knowledge & Competence, and Fit & Proper. This structure is designed to address your questions and training needs across various stages of your background and career. With our training, you will be equipped with the knowledge and skills to harness the power of data and AI, and drive your organisation towards success.

Made of complementary and modular building blocks, our curriculum will help you identify the best learning solution for you and your teams.

They are proposed as comprehensive training programmes, but individual training modules can also be selected as standalone courses to meet specific needs. The Academy can help you create a customised pathway to align with your objectives.

Objectives

By the end of this curriculum, participants will:

- Master generative AI technologies and their transformative impact on data analytics.

- Foster a forward-looking vision for AI integration, driving excellence in managing operational units and data citizenship.

- Explore how AI and IoT revolutionise operational management, enhancing decision-making with data analytics.

- Gain foundational to advanced insights in generative AI, understanding its future trajectories and industry applications.

- Equip IT and data leaders with skills to design and operate effective data governance, adhering to European regulations.

- Grasp the strategic implications of AI and Generative AI, aligning technology strategy with organisational objectives.

Our modular training offering

Data & AI curriculum

			Modules			
Level 1 Foundation			Introduction to machine learning, AI, and generative technologies (2h)	Data analytics foundations with a focus on Generative AI and modern tools (2h)		
Level 2 Knowledge & Competence	About operational aspects	For specialists	Data storytelling basics (2h) - Coming soon!			
		For managers	Leveraging technologies to better steer your operational units (2h)	Business data stoytelling (2h) - Coming soon!		
	About data regulations, data governance and data citizenship	For managers	Understanding and leveraging European data regulations (2h)	Enabling IT and data leaders to design and operate sound data governance (2h)	Sharing the power of data with the business: mastering the challenge of data citizenship (2h)	
	Practical hands-on exploration of data and AI tools	For all	AI and GenAI in action (3h)	Mastering graph/network analytics (3h)	Technical algorithms on NLP (3h)	Mastering time series analysis (3h)
Level 3 Fit & Proper	About AI and Generative AI	For Board of directors, EXCOM members and C-suite executives	Unlocking AI & Generative AI: strategy, opportunities and risks (1h30)	Steering AI: governance and ethical frameworks (1h30)	AI safeguard: mastering risk management and controls (1h30)	AI across the Board: sectors-specific use cases and future horizons (1h30)
	About data and AI regulations	For Boawrd of directors, EXCOM members and C-suite executives	Understanding and leveraging European data regulations (1h)	Mastering the AI Act: strategic compliance with AI regulations and standards (1h30)		

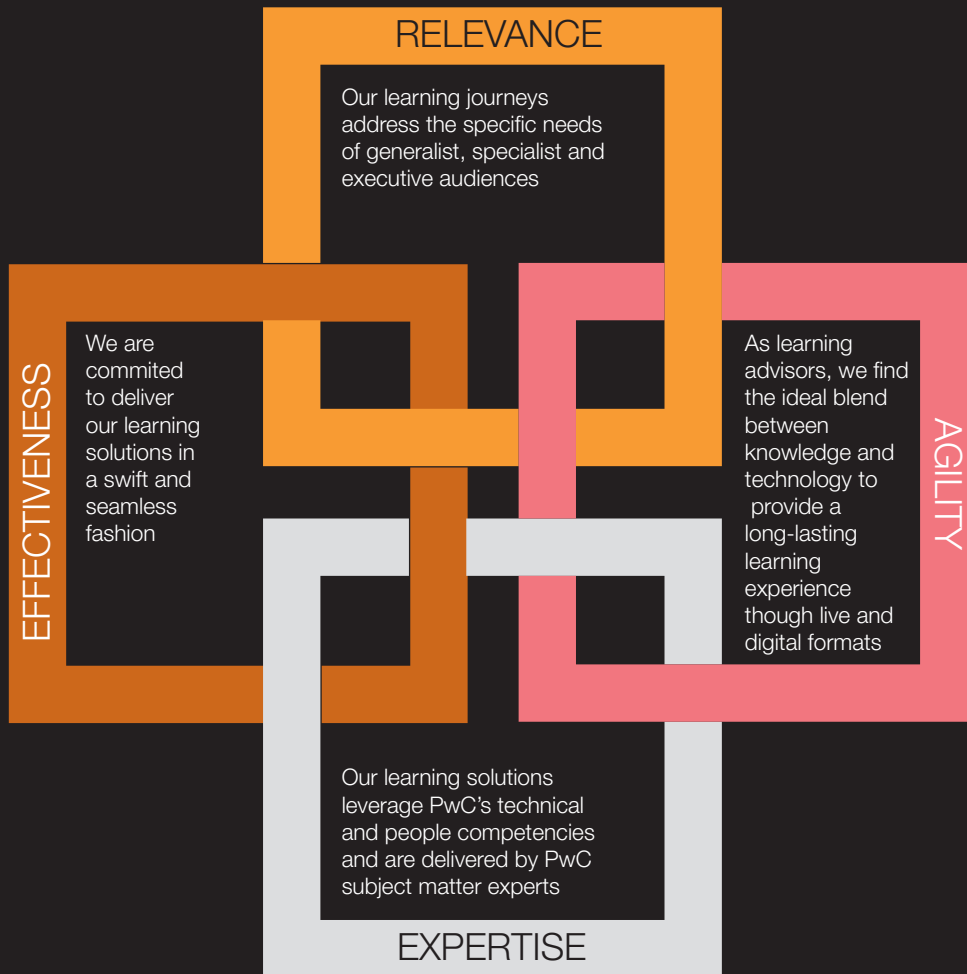## Explore our Data & AI training modules:

Tailored training programme

PwC's Academy can also instruct your team with the best training solutions on various topics tailored to your needs.

Our value proposition

RELEVANCE

Our learning journeys address the specific needs of generalist, specialist and executive audiences

EFFECTIVENESS

We are commited to deliver our learning solutions in a swift and seamless fashion

AGILITY

As learning advisors, we find the ideal blend between knowledge and technology to provide a long-lasting learning experience though live and digital formats

EXPERTISE

Our learning solutions leverage PwC's technical and people competencies and are delivered by PwC subject matter experts

---

Etienne Hirsch
Head of PwC's Academy,
PwC Luxembourg
+352 49 48 48 6022
etienne.hirsch@pwc.lu

François Génaux
Advisory Leader,
PwC Luxembourg
+352 49 48 48 4175
francois.genaux@pwc.lu

Thierry Kremser
Technology Consulting Partner
& Data and AI services Leader,
PwC Luxembourg
+352 621 332 269
thierry.kremser@pwc.lu