



Krisolis

EMPOWER / INNOVATE / EVOLVE

Your Data Journey Starts Here

And Krisolis will be with you at every
step of the way.



Vision & Mission

At Krisolis we **empower** you to **innovate** and **evolve** through every stage of your data journey.

Our mission is for our team to **become a part of your team**. Through training, mentoring and consulting our flexible approach means that we're able support you using a variety of methods, always staying focused on your objectives.



"We work alongside you and your organisation to foster a culture of innovation and excellence using the latest tools in data science and AI"

Aoife D'Arcy
Krisolis CEO

About Krisolis

Rather than simply providing standard training courses in data science and AI, we combine our skills as leading analytics experts with a sharp focus on our clients to deliver what they need.

We work hard to understand your business, where it has come from and where it's going. Our experience as both **practitioners and academics** means we're uniquely positioned to **partner with you to achieve your learning objectives** by coaching and supporting individuals, teams, departments and the entire organisation.

What we offer

- ✓ Customised Training Programmes
- ✓ Mentorship Programmes
- ✓ Consultancy
- ✓ Strategy Development

The Krisolis Approach to Learning

Each of our training courses and programmes considers three core elements: **Theory, Tools and Application.**

Each are approached separately and blended in a way that means **learnings can be confidently applied once back in the workplace**, and easily transferred as technologies change.



Choose from or combine

- ✓ Classroom-based Learning
- ✓ Facilitated Workshops
- ✓ Coaching and Mentoring
- ✓ Face to Face or Online Support

Academies and Accredited Programmes

Our **academies and accredited programmes** are designed to support your organisation through its Data and AI journey.

Our delivery can **range between 4 and 16 weeks**, depending on which programme you choose, so it provides a substantial opportunity to address your team's critical learning needs, develop skills and close knowledge gaps, **all delivered by our expert team and faculty.**

Customised Training and Learning Paths

Our customised learning paths are **flexible learning programmes** that are **tailored to your needs** and utilise a **range of learning approaches** to ensure we always stay focused on the objectives of your teams and organisation.

Standard Training Courses and Workshops

Each of our courses is **designed to work as a standalone piece of learning or can be combined** with multiple courses, facilitated workshops, mentoring and coaching and other learning-beyond-the-classroom initiatives to ensure engaging and rewarding learning paths.

Adoption

One of the central principles of our training programmes is ensuring that skills and knowledge learned with us are **applied effectively within your business.**

To ensure this we offer a variety of courses for **business leaders, programme managers and decision makers** that ensure that data solutions created by more technical teams can be **easily adopted across the organisation.**

Topics covered include:

- Artificial Intelligence (AI) and its applications
- How to get the best from your data
- How to embed effective work practices to allow your team to work well together

Fundamentals

Our Fundamentals courses demonstrate how you can **put this generation's most powerful business tools to work for you.**

Topics covered include:

- Effective Data Visualisation
- Business Analytics
- Introduction to Programming with R / Python / SQL
- Data Tools and their Applications
- Data Preparation and Pre-Processing

Standard Training Courses and Workshops

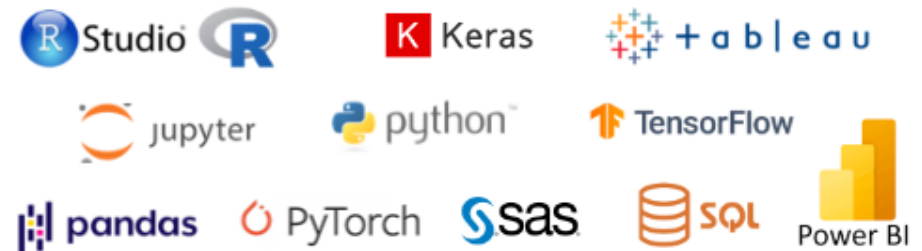
Advanced

Our Advanced courses are designed to help you and your team **evolve your existing data, machine learning and artificial intelligence skills** using the most up to date and advanced tools available.

Topics covered include:

- Deep Learning
- Machine Learning
- Generative AI
- Big Data
- Time Series Analysis
- Natural Language Processing
- Network Analytics
- Anomaly Detection
- Reinforcement Learning

Technologies We Use:



All of our course material can be **customised** to best suit your training needs and to ensure **engaging and rewarding** learning paths.

Artificial Intelligence (AI) Essentials

What will I learn?

- ✓ Understand the terminology and concepts surrounding Artificial Intelligence.
- ✓ Be able to describe what Artificial Intelligence is and categorise its applications.
- ✓ Be able to propose Artificial Intelligence solutions for basic business tasks.
- ✓ Appreciate the ethical and regulatory considerations, and the importance of fairness, when building Artificial Intelligence solutions.
- ✓ Understand the key components required for running an Artificial Intelligence project.

Adoption Course

One Day Course

Overview

From automated decision making, to tools that can generate novel images and text, to robots that can automatically complete business tasks - Artificial Intelligence (AI) is moving into the mainstream. Companies are increasingly using robots, machine learning, and other AI-based technologies to enhance their business processes, performance, and outcomes.

The frontier of what is possible with AI is advancing quickly, and there is a need for organisations to upskill staff members to keep pace with this growth. This short one-day course helps delegates to understand what is, and what is not, possible using AI, the main technologies and techniques involved in AI, and the business, regulatory, and ethical concerns associated with developing AI solutions.

Upon completion of this course, participants will understand the field of AI, be ready to use AI tools effectively, and be ready to participate in AI projects as a subject matter expert or project manager.

Is this course for me?

This programme is aimed at anyone who is interested in understanding what Artificial Intelligence is, its potential uses, and how it can be applied in your organisation.

No prior knowledge or skills are required to take this course.

✉ To find out more about this course send us an email at info@krisolis.ie

AI Masterclass for Senior Leaders

Adoption Course

One Day Course

What will I learn?

- ✓ Understand the terminology and concepts surrounding Artificial Intelligence.
- ✓ Recognise the ethical and regulatory considerations when applying AI solutions.
- ✓ Understand the importance of governance, consistency and quality surrounding the use of AI.
- ✓ Identify opportunities that AI solutions may support in your business area.

Overview

From automated decision making, to tools that can generate novel images and text, to robots that can automatically complete business tasks - Artificial Intelligence (AI) is moving into the mainstream. Companies are increasingly using generative AI, machine learning, and other AI-based technologies to enhance their business processes, performance, and outcomes.

The frontier of what is possible with AI is advancing quickly, and there is a need for organisations to upskill senior staff members to keep pace with this growth. This short one-day workshop will equip Senior Leaders with the fundamentals of Artificial Intelligence (AI), as well as identify its potential use and associated implications for organisations.

This is an interactive in-person programme which will use a mixture of presentations, discussions and challenges, providing an opportunity to learn with, and from other business leaders implementing, or considering implementing, AI within their organisations.

Is this course for me?

This programme is aimed at Senior Leaders and Executives who are interested in understanding what Artificial Intelligence is, its potential uses, and how it can be applied in your organisation.

In particular, we will focus on how your organisation can create a strategy and framework for creating trustworthy AI solutions that will take advantage of this new technology, while putting the guardrails in place to protect you and your customers.

✉ To find out more about this course send us an email at info@krisolis.ie

Essentials of Machine Learning

Adoption Course

One Day Course

What will I learn?

- ✓ Understand machine learning and its most important techniques.
- ✓ Know how to categorise different applications of machine learning based on what they achieve for an organisation.
- ✓ Know how machine learning models should be evaluated to measure their usefulness.
- ✓ Know the main phases in a machine learning project and how they can be managed.
- ✓ Know how to choose between the main technologies that can be used for machine learning projects.

Overview

Models that predict customers' future behaviour, tools that automatically read - and even write - emails, and decision support tools that aid us in everything from credit decisions to investment choices. Machine Learning is at the heart of all of these. Machine learning – the main driver of Artificial Intelligence – has made dramatic strides in recent times and is moving more and more into the mainstream. Companies are increasingly using robots, predictive models, and other machine learning-based technologies to enhance their business processes, performance, and outcomes.

This course guides participants through the most important ideas in machine learning and how they can be applied to build real-world relevant models that make a difference in your organisation.

Upon completion of this course, participants will be ready to collaborate on machine learning projects as a project manager or subject matter expert to use machine learning models for business impact.

Is this course for me?

This course is aimed at anyone who would like to collaborate on machine learning projects, or who has encountered machine learning and would like a more comprehensive understanding of it and its application.

No prior knowledge or skills are required to take this course.

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Data Science Essentials

Adoption Course

One Day Course

What will I learn?

- ✓ Understand the terms and terminology used in a data science setting.
- ✓ Understand how data driven solutions can have an impact in a variety of settings.
- ✓ Understand how to interpret different types of analytical output, from statistical analysis to interactive dashboards.
- ✓ Successfully take part in data science projects as a subject matter expert.
- ✓ Understand your role in creating and using data driven insight.

Overview

With the recent acceleration towards a digitalised workplace, data science is becoming a more frequent part of day-to-day life, and so it's never been more important to focus on it. But what does that mean? At its simplest, it's the ability to read, understand, create, and communicate with data. It's also one of the most powerful drivers behind innovation and sound business decisions and an essential skill for today's business leaders. Without some understanding of data science, it is difficult to distinguish between good and bad analysis.

This course provides the core knowledge and skills needed to become more data literate. It will introduce participants to the key aspects of data science and how to go about building a data-driven organisation and culture.

Upon completion of this programme, participants will be ready to effectively extract actionable insight from the output of data science projects and participate in data science projects as a subject matter expert.

Is this course for me?

This programme is aimed at anyone who makes decisions from reports and analysis, such as those who are tasked with being involved in and using the output from data science projects.

No prior knowledge or skills are required to take this course.

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Storytelling with Data

Adoption Course

One Day Course

What will I learn?

- ✓ Understand the fundamentals of storytelling and know the attributes of a good storyteller.
- ✓ Understand how to design and build a narrative for a presentation, dashboard or report using storyboarding techniques.
- ✓ Know how to apply the fundamentals of data visualization to create informative charts.
- ✓ Know how to choose the right visualisation type for the job at hand.
- ✓ Understand how to bring it all together to effectively tell your data story.

Overview

Organisations are using data to take advantage of actionable insights in diverse industries from banking to horse breeding. A key component of any data-driven project is to effectively tell a story with the insight created. Stories give context to your insight and increase the impact of your analysis.

This course provides an understanding of the theory underpinning effective data visualisation and introduces the knowledge needed to create compelling stories and dialogues that communicate key insights from data.

Upon completion of this course, you will have mastered the art of data storytelling having learned to move from business question to effective visualisation, to telling an impactful story.

Is this course for me?

This programme is aimed at anyone who makes decisions from data in reports and analysis, or anyone who creates reports and analysis for decision makers.

No prior knowledge or skills are required to take this course.

✉ To find out more about this course send us an email at info@krisolis.ie

Designing and Delivering Amazing Projects

Adoption Course

Facilitated Workshop

What will I learn?

- ✓ Understand the process of 'problem solving'.
- ✓ Conduct a requirements gathering exercise and define the 'actual' business problem.
- ✓ Architect analytics solutions that will deliver business impact.
- ✓ Successfully manage data science, analytics and AI projects using our Agile Framework.
- ✓ Have discussed and agreed ways of working to deliver impactful projects.

Overview

Project management is a skill that is required in all aspects of business. Data science, analytics and AI projects have their own challenges demanding a data-oriented project management approach.

This workshop describes good general project management practice and methodologies. It then focuses on providing the scaffolding for analytics project management specifically.

It will introduce our Agile Framework which incorporates elements of Problem Solving, and the Agile and CRISP-DM methodologies to ensure that every data project delivers positive business impact.

Is this course for me?

This workshop is aimed at technical managers, project managers, and data science, analytics and AI professionals who are tasked with running and participating in data projects.

✉ To find out more about this course send us an email at info@krisolis.ie

Building your Analytics and AI Roadmap

Adoption Course

Facilitated
Workshop

What will I learn?

- ✓ Know what best practice looks like when developing Analytics and AI Solutions and understanding Analytics and AI Capabilities
- ✓ Understand how technical and business leads can effectively collaborate and communicate their needs and capabilities
- ✓ Understand all project roles, both technical and business, and how they can collaborate to achieve the best business outcomes and deliver impactful solutions
- ✓ How to assess and prioritise potential projects to develop a practical and actionable roadmap, including setting timelines, allocating resources, and defining success metrics
- ✓ You will be better equipped to lead the development and execution of an Analytics and AI roadmap that aligns with your organization's strategic goals and leverages the full potential of these technologies

Overview

Our one-day workshop is designed to bridge the gap between technical leads and business leaders in developing a cohesive Analytics and AI roadmap. In today's fast-paced digital landscape, leveraging data and artificial intelligence is crucial for driving business success and maintaining competitive edge. This workshop aims to foster collaboration and mutual understanding between the technical and business domains of your organization. Through a series of interactive sessions, expert presentations, and collaborative exercises, we will explore the strategic goals, technological capabilities, and potential challenges in implementing Analytics and AI solutions.

Together, we will work towards crafting a comprehensive roadmap that aligns with your business objectives and leverages the latest technological advances, setting the stage for transformative growth and innovation. We will ensure that the Analytics and AI roadmap is both ambitious and achievable, and grounded in the realities of your organization's capabilities and strategic goals.

Is this course for me?

This one-day workshop aims to ensure that both the strategic and technical aspects of Analytics and AI are addressed, fostering a collaborative environment where all relevant stakeholders work together to realize the benefits of these technologies for the organization. Therefore this workshop should be attended by business leaders responsible for defining the business direction, technical leads such as IT managers, data scientists, AI specialists, and technical project managers who have the expertise to implement and manage Analytics and AI technologies as well as other stakeholders who will be impacted by or can contribute to Analytics and AI initiatives.

✉ To find out more about this course send us an email at info@krisolis.ie

Contact Krisolis

To discuss your team's skills development, and how to make the best use of our training, mentoring and consultancy services please contact us using the following:

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