



## AI AND DATA SCIENCE TRAINING THAT **ENSURES** YOUR ORGANIZATION HAS THE *SKILLS AND INSIGHTS TO SUCCEED.*

In the rapidly evolving world of AI and data analytics, the ability to stay ahead of the curve is crucial for any organization's success.

Organizations without the skills to harness AI and transform data into insights risk being left behind. Ensure your team is equipped for success with the ability to leverage AI and data analytics tools, increasing business agility and data driven decision making.



# Why Trust Learning Tree to Support Your AI and Data Analytics Needs?

As a leading force in AI and Data Science education, Learning Tree has refined its training programs to deliver practical, real-world insights for driving data-driven success. Our seasoned instructors bring a wealth of industry-specific knowledge and practical experience, ensuring your teams are primed with cutting-edge skills and strategies essential for thriving in today's data-centric business world.



## Supporting You, AI & Data Science Leaders

Our commitment to enhancing your team's proficiency in AI and Data Science is unmatched. Whether it's to deepen understanding in machine learning, boost Big Data analytics skills, or prepare for advanced data certifications, Learning Tree is your go-to resource. Our courses are designed to empower your teams to leverage data effectively, enhancing decision-making and innovation.



## Comprehensive AI & Data Science Training for All Skill Levels

From fundamental data analysis techniques to the complexities of neural networks and predictive modeling, our extensive course catalog caters to varying expertise levels within your team. Whether they are beginners in data science or seasoned AI professionals, our training programs are tailored to meet their specific learning needs.



## Flexible and Adaptive Learning to Suit Busy Schedules

Recognizing the challenges of a demanding professional environment, we offer flexible learning options. Choose from in-person workshops, live online courses, bespoke training solutions, or on-demand classes to ensure that your team's upskilling aligns with their work commitments.

## Case Study:

The state of Tennessee was looking to improve its use of data to improve results and increase data driven decision making across the state. Facing challenges in fragmented architecture and reporting systems, lack of transparency with existing data and technology limitations for sharing data in real time across the state. After establishing the Enterprise Data Services Center for Excellence, Tennessee selected Tableau to standardize data reporting across the state. Partnering with Learning Tree they increased the use of evidence-based data driven metrics and identified patterns in programs and communities which allowed them to better serve the citizens of Tennessee.

- 45 Knowledge Points Gained
- 20% Average Performance Improvement



# Unlocking the Power of Data Science: Transforming

In 2023, the World Economic Forum surveyed 803 global companies and found that 'AI and Machine Learning Specialists' and 'Data Analysts and Scientists' roles were in the top 10 jobs expected to grow fastest between 2023 and 2027.

<https://post.parliament.uk/research-briefings/post-pn-0697>



## Is your organization equipped to compete for or develop the AI and Data Science skills to succeed?

### Your Organization's Potential

In today's data-driven business landscape, the power of AI and data science cannot be overstated. Organizations that harness the insights hidden within their data and improve business agility gain a competitive edge with the increased ability to make informed decisions, and drive innovation. To thrive in this environment, technical staff training in data science is not merely an option; it's imperative. Our suite of data science courses equips you and your team with the skills and knowledge they need to unlock the true potential of data, driving success for your organization in the digital age. Here are five common problems and how our training courses can help address them:

PROBLEM	SOLUTION
Data Quality and Preprocessing	Our courses provide extensive training on data preprocessing techniques. This equips participants with the skills needed to clean and prepare data effectively for analysis.
Lack of Machine Learning Skills	Our machine learning courses cover algorithms, model building, and practical implementation. These courses empower participants with the essential machine learning skills required for data-driven decision-making.
Identifying abnormal or unusual data points that deviate from the expected pattern	Our anomaly detection courses cover techniques like clustering, autoencoders, and isolation forests to detect and address anomalies in data.
Extracting insights and meaning from unstructured text data	Our NLP training, including courses on text classification, sentiment analysis, and named entity recognition, empowering individuals to work with textual data effectively.
Interpreting and Communicating Results	Our courses emphasize not only technical skills but also the ability to interpret results and communicate findings effectively.

# Learning Paths and Individual Courses

Our Learning paths are proven to equip you with the skills and certification for the role you want. Leverage our step-by-step blueprint to ensure you reach your goal, or create your own learning path tailored specifically to meet your needs.

	FOUNDATION		INTERMEDIATE		ADVANCED	
<b>MACHINE LEARNING</b>	1263	Applied Data Science with Python and Jupyter	134	SQL Server Integration Services (SSIS) Training for Business Intelligence	234	Developing SQL Queries for Oracle Databases
	1264	Introduction to AI, Data Science & Machine Learning with Python	1238	Building Data Lakes on AWS	925	Introduction to SQL Course
	1268	Hands-On Introduction to R	1239	Building Batch Data Analytics Solutions on AWS	929	Advanced SQL Course
	1269	Time Series Analysis Using R	1240	Building Data Analytics Solutions Using Amazon Redshift	1243	Amazon SageMaker Studio Training for Data Scientists
	3656	Preparing for a Digital Transformation Initiative Training	1267	Introduction to Julia Programming: Machine-Learning Models and AI		
	4509	Introduction to Python for Data Analytic	1273	Python Data Wrangling Training		
	4550	Writing SQL Queries with SQL Server Management Studio	1274	Data Visualization with Python Training		
	4551	Writing SQL Queries Training	1278	Leveraging Deep Learning for Natural Language Processing Course		
	8597	Querying Data with Microsoft Transact-SQL Training (DP-080)	2330	Rust Essentials: Building Better Software		
			4559	Writing Powerful SQL Queries for SQL Server		
			8532	Azure Data Science Certification Training (DP-100)		
			8574	Power BI Data Analyst Training Course (PL-300)		
			8576	Administering Microsoft Azure SQL Solutions DP-300 Certification Training		
		8595	Data Engineering on Microsoft Azure (DP-203)			
<b>DATA SCIENCE &amp; BIG DATA</b>	1250	Components of a Big Data and AI Solution Introduction	126	Crystal Reports Training	234	Developing SQL Queries for Oracle Databases
	1256	Tableau Visual Analytics Training	134	SQL Server Integration Services (SSIS) Training for Business Intelligence	925	Introduction to SQL Course
	1264	Introduction to AI, Data Science & Machine Learning with Python	1232	Power BI: Hands-On Reports and Dashboards Training	929	Advanced SQL Course
	1269	Time Series Analysis Using R	1234	Planning & Designing Databases on AWS	1243	Amazon SageMaker Studio Training for Data Scientists
	1291	Introduction to Data Literacy Training	1238	Building Data Lakes on AWS	1257	Advanced Tableau Training



## DATA SCIENCE & BIG DATA

1360	Introduction to Power BI Training	1239	Building Batch Data Analytics Solutions on AWS	1293	Building Practical Skills in NLP and Generative AI
1363	Power BI for Business Users	1240	Building Data Analytics Solutions Using Amazon Redshift	8645	Power BI: Administrator in a Day Training
2043	CompTIA Data+® Certification Training	1267	Introduction to Julia Programming: Machine-Learning Models and AI	8646	Power BI: Advanced Data Modeling and Shaping (One-Day Course)
3656	Preparing for a Digital Transformation Initiative Training	1273	Python Data Wrangling Training	8648	Advanced Visualization with Power BI Training
4500	Big Data Technologies, Trends & Insights Training	1274	Data Visualization with Python Training	8650	Power BI: Developer in a Day Training
8580	Microsoft Azure AI Fundamentals Training (AI-900)	1278	Leveraging Deep Learning for Natural Language Processing Course	8651	Hands-On Paginated Reports with Power BI
8586	Microsoft Azure Data Fundamentals Training (DP-900)	1292	Introduction to Data Governance and Assessing Data Maturity		
8649	Power BI: Dashboard Training (One-Day Course)	1294	Graph Databases for Data Analytics and AI		
		1362	Designing Data Models in Excel for Power BI Reports Training		
		1365	Introduction to DAX for Power BI		
		2044	CompTIA DataSys+ Certification Training		
		2330	Rust Essentials: Building Better Software		
		4559	Writing Powerful SQL Queries for SQL Server		
		8532	Azure Data Science Certification Training (DP-100)		
		8574	Power BI Data Analyst Training Course (PL-300)		
		8576	Administering Microsoft Azure SQL Solutions DP-300 Certification Training		
		8589	Designing and Implementing a Microsoft Azure AI Solution Training (AI-102)		
		8595	Data Engineering on Microsoft Azure (DP-203)		
		8680	Develop Generative AI Solutions with Azure OpenAI Service (AI-050)		
		8681	Implementing a Lakehouse with Microsoft Fabric (DP-601)		

# Data literacy, analysis and visualization is crucial in today's data-driven world.



**“Only 6% of respondents can help their peers with data concepts and culture, reading, writing and comprehending data.”**

2022 Global Data Literacy Benchmark survey and report (Data to the People)

## Five common challenges and how we address them.

We offer training courses which enhance data literacy skills and address common data literacy learning problems. Here are five data competency learning problems and how our courses can help solve them:

PROBLEM	SOLUTION
Many individuals struggle with fundamental data concepts, such as data types, data sources, and data structures	Our courses include in-depth modules, hands-on exercises, and practical examples that clarify data types, explore various data sources, and teach how to work with data structures, ultimately building participants' proficiency in data management and analysis.
Analyzing data to extract meaningful insights can be challenging without proper training.	Our data analysis courses teach participants how to use tools like Excel, Python, or R to perform data analysis, create visualizations, and draw conclusions from data sets.
Communicating data findings effectively through visualizations is a common struggle.	Our data visualization courses cover best practices in creating informative and compelling data visualizations using tools like Tableau, Power BI.
Understanding data privacy regulations and protecting sensitive data is a growing concern.	Our data privacy and security courses educate individuals on compliance with data protection laws and best practices for securing data in various contexts.
Making decisions based on data can be daunting without guidance.	Our courses emphasize the importance of data-driven decision-making and provide practical approaches to using data to inform business decisions and strategies.

# Learning Paths and Individual Courses

	FOUNDATION		INTERMEDIATE		ADVANCED	
<b>DATA LITERACY</b>	1255	Introduction to Decision Analysis				
	1264	Introduction to AI, Data Science & Machine Learning with Python				
	1265	Fundamentals of Statistics for Data Science Training				
	1290	Introduction to Data Analytics				
	1291	Introduction to Data Literacy Training				
	3656	Preparing for a Digital Transformation Initiative Training				
	8586	Microsoft Azure Data Fundamentals Training (DP-900)				
<b>DATA ANALYTICS</b>	1256	Tableau Visual Analytics Training	126	Crystal Reports Training	234	Developing SQL Queries for Oracle Databases
	1265	Fundamentals of Statistics for Data Science Training	134	SQL Server Integration Services (SSIS) Training for Business Intelligence	925	Introduction to SQL Course
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	8649	Power BI: Dashboard Training (One-Day Course)				

# Learning Paths and Individual Courses

	FOUNDATION		INTERMEDIATE		ADVANCED	
<b>DECISION ANALYSIS &amp; VISUALIZATION</b>	1256	Tableau Visual Analytics Training	126	Crystal Reports Training	1257	Advanced Tableau Training
	1290	Introduction to Data Analytics	134	SQL Server Integration Services (SSIS) Training for Business Intelligence		
			1274	Data Visualization with Python Training		
			1292	Introduction to Data Governance and Assessing Data Maturity		
			1362	Designing Data Models in Excel for Power BI Reports Training		

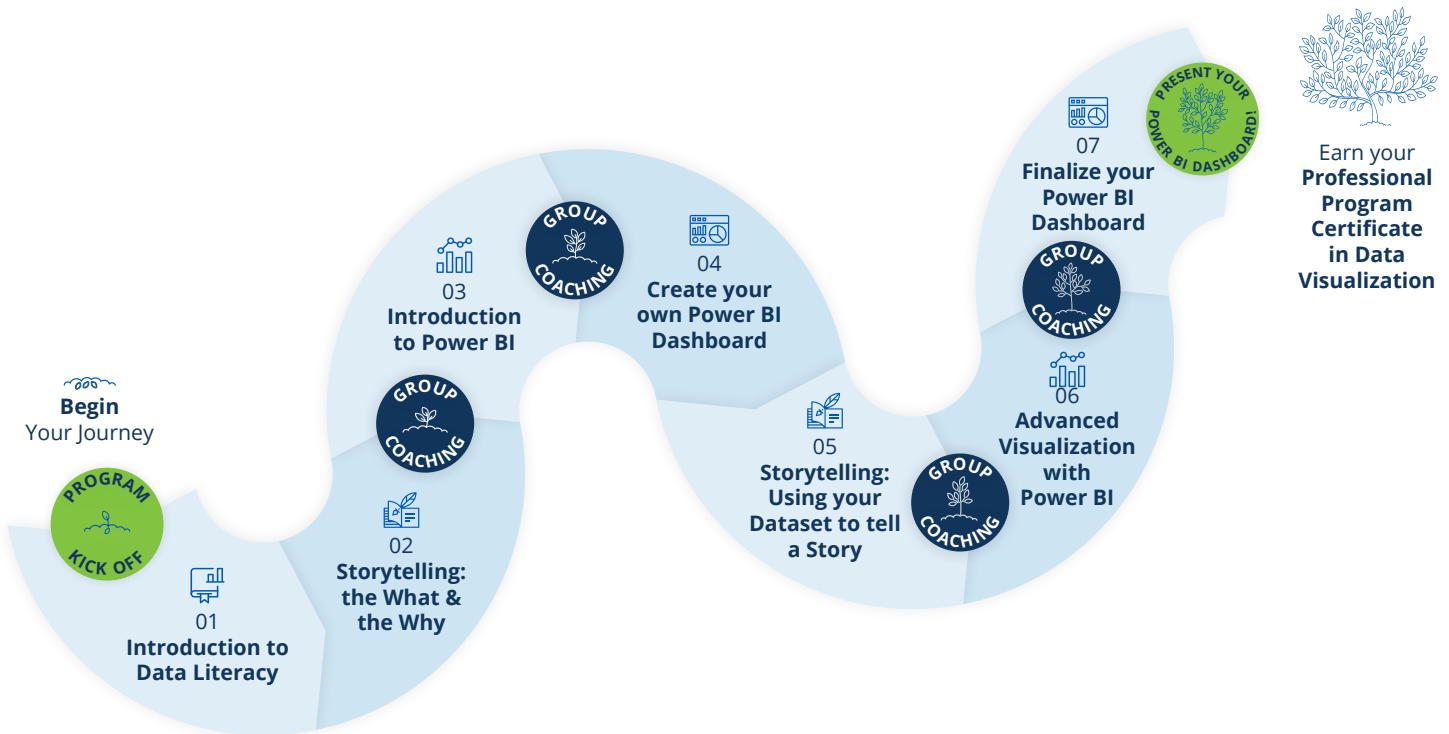




# Data Insights & Visualization Professional Certificate Program

In the era of big data, the expansion of digital technologies has led to an unprecedented amount of data generation. But without the right tools and expertise to understand this data and transform it into actionable knowledge, organizations risk missing out on opportunities and making uninformed decisions.

Learning Tree's Data Insights & Visualization Professional Certificate Program teaches participants the knowledge and tools they need to analyze and present big data through our unique integrated learning model, which expertly combines training, assessment, coaching, and collaboration.




Earn your  
**Professional  
Certificate  
in Data  
Visualization**


 Program Kickoff

 Group Coaching

 Group Coaching


 Introduction to Data Literacy

 Create Your Own Power BI Dashboard

 Finalize Your Power BI Dashboard

 Storytelling: The What & the Why

 Storytelling: Using Your Dataset to Tell a Story

 Final Presentation: Power BI Dashboard

 Group Coaching

 Group Coaching

 Introduction to Power BI

 Advanced Visualization with Power BI

Partner with Learning Tree to elevate your team's AI and Data Science capabilities, fostering a culture of continuous learning and innovation.

As your training ally, we specialize in equipping decision-makers and their teams with the skills and knowledge necessary to harness the full potential of AI and data analytics. Our tailored training solutions are designed to optimize your team's capabilities in these critical areas, ensuring that your projects not only navigate the complexities of today's technology landscape but also drive innovation and business growth.



**LEARNING TREE**™  
INTERNATIONAL



Call us Today @ **1-888-843-8733** or visit:



[LearningTree.com/Topics/Artificial-Intelligence](https://www.LearningTree.com/Topics/Artificial-Intelligence)