Machine Learning Advanced Concepts

Natural Language Processing and Sentiment Analysis

For organisations who have decided to adopt complex machine learning processes in the Azure Machine Learning platform, it is essential that their staff have the knowledge and capability to apply advanced machine learning methodology to effectively solve business problems.

How we help

Delivered as the second day of Insight's 2 Day Machine Learning training program, the Machine Learning Advanced Concepts training is perfect for businesses who are looking to enhance their data science and analytics function. Covering the complete journey from text pre-processing to the creation and deployment of a sentiment analysis model in Azure Machine Learning, this training provides a comprehensive overview of advanced concepts including natural language processing and sentiment analysis.

Led by our experienced data science consultants, this training will provide users with the skills to leverage advanced machine learning techniques in Azure Machine Learning.

What to Expect

- Advanced Machine Learning Concepts
  - Hyper-parameter tuning
  - Evaluation metrics deep dive
  - Under and over fitting and sampling
  - Creating ensembles
- Natural Language Processing Concepts
  - Sentiment analysis
  - Named entity recognition
  - Topic modelling
  - Summarisation
  - Relationship extraction
- Text Pre-Processing
  - Stop word removal
  - Part of speech tagging
  - Stemming
  - Lemmatisation

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Learning Objectives

- Understand advanced modelling techniques and concepts
- Understand basic concepts of natural language processing
- Parsing and pre-processing textual data
- Creating a sentiment analysis model

Pre-requisites

- Completion of Machine Learning Foundations Training
- Access to Azure Machine Learning

Insight Awards

- 2021 Worldwide Partner of the year in Solution Assessments and Azure Migration
- Microsoft Gold Partner
- Certification in 11 Advanced Specialisations across Microsoft Azure, Modern Work and Security

Why Insight

At Insight, we define, architect, implement and manage Insight Intelligent Technology Solutions™ that help your organisation run smarter. We'll work with you to maximise your technology investments, empower your workforce to work smarter, optimise your business and create meaningful experiences.

Microsoft Partner
2021 Partner of the Year Winner
Migration to Azure Award
Solution Assessment Award
Microsoft

Get started.

To learn about pricing and how to begin, contact **ANZ_DI_Sales@insight.com**