ML Training (Basic version)

Slide 1: Introduction

- Briefly introduce machine learning and its applications in industry

- Explain the goal of the training session

Slide 2: Types of Machine Learning

- Briefly introduce supervised, unsupervised, and reinforcement learning

- Explain which types are commonly used in industry

Slide 3: Data Collection and Pre-processing

- Explain the importance of data collection and pre-processing in industry

- Describe common techniques such as data cleaning, feature engineering, and data augmentation

Slide 4: Model Selection and Evaluation

- Explain the importance of selecting the right model in industry

- Describe common evaluation metrics such as accuracy, precision, recall, and F1-score

Slide 5: Feature Selection

- Explain the importance of feature selection in industry

- Describe common techniques such as correlation analysis and forward/backward selection

Slide 6: Deep Learning

- Introduce deep learning

- Describe the different types of deep learning commonly used in industry such as convolutional neural networks and recurrent neural networks

Slide 7: Time Series Analysis

- Explain the importance of time series analysis in industry

- Describe common techniques such as ARIMA and exponential smoothing

Slide 8: Computer vision

- Introduce Computer vision

- Describe the different types of Computer vision application in industry

Slide 9: Classification Analysis

- Introduce classification analysis

- Describe the different types of classification commonly used in industry such as decision trees and support vector machines

Slide 10: Clustering Analysis

- Introduce clustering analysis

- Describe the different types of clustering commonly used in industry such as k-means clustering and hierarchical clustering

Slide 11: Anomaly Detection

- Explain the importance of anomaly detection in industry

- Describe common techniques such as statistical methods and machine learning algorithms

Slide 12: Natural Language Processing

- Explain the importance of natural language processing in industry

- Describe common techniques such as sentiment analysis and text classification

Slide 13: Case Studies

- Present case studies of machine learning in industry

- Show how different techniques were used to solve real-world problems

Slide 14: Challenges and Opportunities

- Discuss the challenges and opportunities of using machine learning in industry

- Provide examples of future applications of machine learning

Slide 15: Conclusion

- Summarize the main points of the training session

- Provide resources for further learning.

Resources

https://twitter.com/Aurimas\_Gr?ref\_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor