TK060: AI Fundamentals

Duration

3.0 Days

Course Content

1. Overview of AI

- 1.1 The past of AI
- 1.1. What is AI
- 1.2. AI industry and AI society

2. Python Programming Basics

- 2.1. Introduction to Python
- 2.2. Data Container
- 2.3. Python Grammer
- 2.4. Operations

3. Math Basics

- 3.1. Linear Algebra
- 3.2. Probability Theory and Information Theory
- 3.3. Numeric Calculation

4. Tensorflow

- 4.1. Tensorflow Basics
- 4.2. Tensorflow Using

5. Propaedeutics and Overview of Deep Learning

- 5.1. Learning algorithms
- 5.2. Common Machine Learning Algorithms
- 5.3. Parameter Estimation
- 5.4. Deep Learning Basics
- 5.5. Neural Networks
- 5.6. Applications of Deep Learning