

## Advanced Topics in Data Science with Business Applications in Python

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Session	Topics
S01	Course Introduction
S02	Python Overview
S03	Deep Learning Fundamentals
S04	Case Study 1: Image Classification for Fashion Industry with TensorFlow and Keras
S05	Introduction to Reinforcement Learning
S06	Thompson Sampling
S07	Case Study 2: Dynamic Pricing for an E-commerce Platform
S08	Introduction to Q-Learning
S09	Case Study 3: Application of AI in Logistics
S10	Deep Q-Learning
S11	Case Study 4: Minimizing Operational Cost
S12	Convolutional Neural Networks
S13	Case Study 5: AI Play Snake Game!
S14	Recurrent Neural Networks
S15	Case Study 6: RNN in Finance
S16	CNN and RNN for Image Processing
S17	Case Study 7: Python and OpenCV for Image Processing
S18	Boltzmann Machines
S19	Auto Encoders
S20	Case Study 8: Recommendation System
S21	Introduction to Bayesian Deep Learning
S22	Students Project Showcase