Stanford
ONLINE

Deep Generative Models
XCS236

Certificate of Achievement

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Course Completed by

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on: April 17, 2025

Overview

In this course, learners learn the probabilistic foundations and learning algorithms for deep generative models. It cover topics like variational autoencoders, generative adversarial networks, autoregressive models, normalizing flow models, energy-based models, and score-based models. Learners get hands-on experience with these models through lectures and assignments, letting them explore deep generative models across various AI tasks. By the end of the course, they are able to design and implement a range of generative models, such as autoregressive models, normalizing flow models, and energy-based models, using popular frameworks such as PyTorch.

Competencies / Skills

| Deep Generative Models | Autoregressive Models | Variational Autoencoders |

| Generative Adversarial Networks (GANs) | Energy Based Models | Score Based Models |

| Evaluation of Generative Models | Diffusion Models |

Credential / Credit Earned

Certificate of Achievement in Deep Generative Models verified by the Stanford Engineering Center for Global & Online Education.

Grade: Satisfactory   CEU(s): 10.0 Grades and Units Information Digital Credential Information

Credential

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