Application for the Special Lecture on Machine Learning and Deep Learning Using Python

Machine Learning and Deep Learning Algorithms and Applications Using Python(Theory + Practice)

- **Schedule**: October 14 (Mon) to 17(Thu) 19:00–22:00

- **How to teach**: Non-face-to-face lessons(Lecture in Korean only)

- **Participation**: graduate students, registered students after completion, and postdoctoral researchers

- **How to apply**: Apply online by October 11 (Fri) (https://forms.gle/14gqeN6cqfSGtu1c7)

Program content

Subject	Content
The Development Process of Machine Learning and Deep Learning	■ Concepts and Characteristics of Machine Learning and Deep Learning ■ Models (Types) and Development Status of Machine Learning and Deep Learning
Various Machine Learning Algorithms for Classification	■ Hands-on Practice with KNN / Decision Tree / Random Forest / XGB / LGB, etc.
Various Machine Learning Algorithms for Prediction	■ Simple Regression Analysis / Multiple Regression Analysis / Feature Engineering ■ Ridge Regression / Lasso Regression / Polynomial Regression / Logistic Regression, etc.
Various Machine Learning Algorithms for Unsupervised Learning	■ Various Clustering Techniques
Understanding Deep Learning and Major Algorithms	■ CNN / RNN / Word2Vec, etc.
Q&A	

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