
신호처리특론 II ECE734

Spring 2021

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개요: We will cover select topics from ICML/NeurIPS 2020.

Objective: Learning latest topics in machine and deep learning.

Class lectures: 수 (5-6)

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Course materials: Selected topics from ICML/NeurIPS 2020 tutorials

Prerequisite: machine learning, deep learning

Grading: midterm (40%), final (40%), Homework (10%), attendance (10%)

Reference:

- [CVM \(Computer Vision Models, Prince\)](#)
- Conference tutorial materials
- Other machine learning books

Contents

(tentative)

Representation Learning Without Labels (1-4)

Machine Learning with Signal Processing (1-4)

Bayesian Deep Learning and a Probabilistic Perspective of Model Construction (1-4)

Deep Implicit Layers (1-2)

Explaining Machine Learning Predictions (1-4)

Parameter-free Online Optimization (1-4)

etc.