

Concrete Machine Learning

Deep User : 2020 Summer Program

I ntroduce

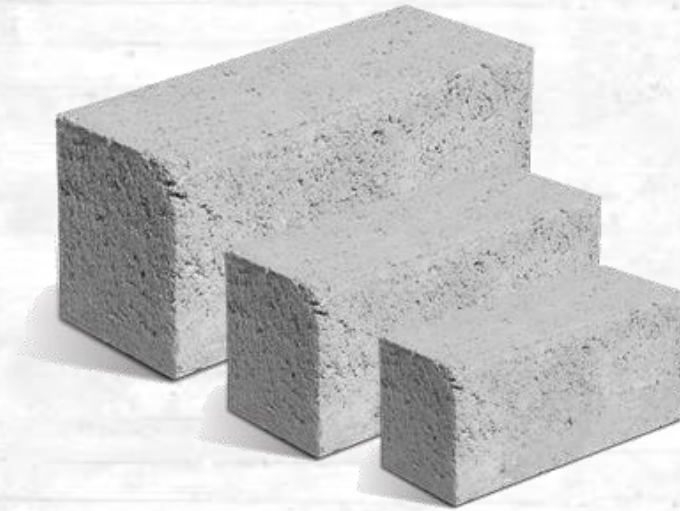
- STUDY GOALS

P lan & Details

- STUDY DETAILS
- Chapter Example
- BOOKS

Q nA

- Team Building
- FIX TOPICS
- QnA & NETWORKING TIME





Concrete Machine Learning

| Concrete Machine Learning Machine Learning without libraries

Implement Machine Learning Model with very essential libraries

Get detail concepts and algorithms by implementing from scratch

Focus on fundamental mathematics approaches

From the basic to detail

Overall Level

Basic

Implement

Expert

Master

P | STUDY DETAILS



PROJECT

Project base homework for every algorithm part
Implement machine learning code without library
Upload on Github (basic structure will be upload at Github too)

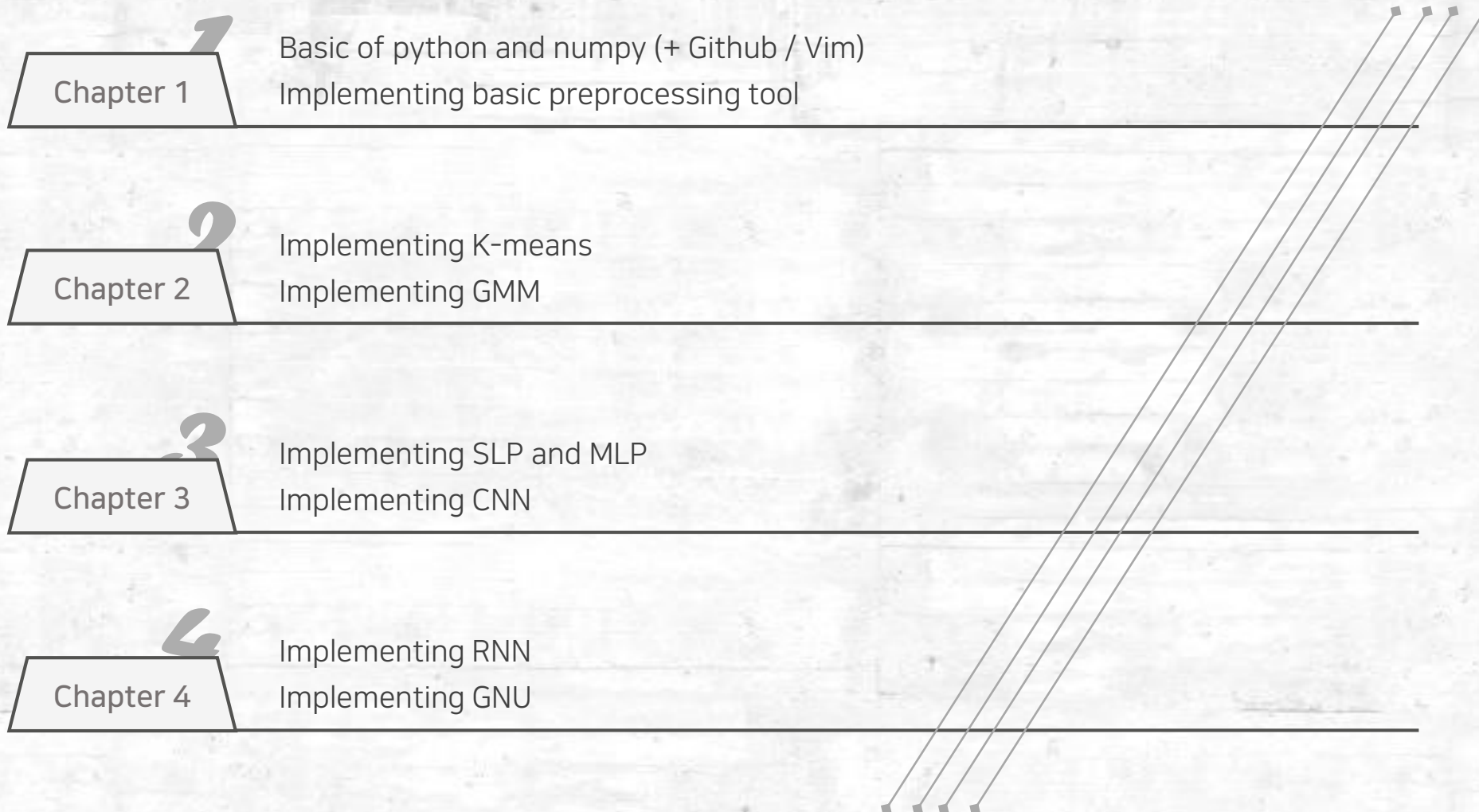
ONLINE CLASS

Every weekly meeting will be upload youtube
Additional and detail parts will be upload too
Check details on Notion

WEEKLY MEETING

Weekly meeting will be open with ZOOM
Office hour / Project will be open

P | Chapter Example



P | Plan

1

Naïve Bayes Classifier

2

K-Means Clustering

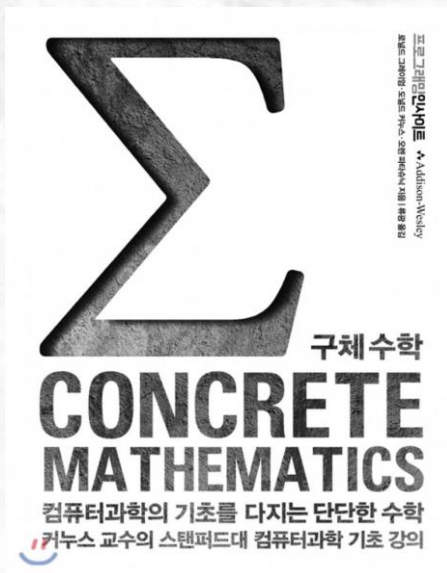
3

Gaussian Mixture Model

4

Deep Learning Models

<https://github.com/Lukious/MachineLearningFromScratch/tree/master/MachineLearning>



Concrete Mathematics

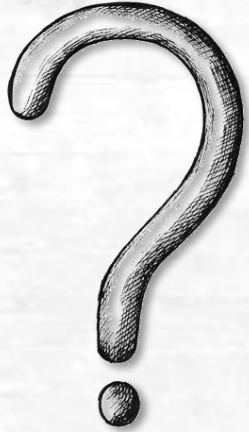
Ronald L. Graham



파이썬 날코딩으로 알고 짜는 딥러닝

윤덕호

<https://github.com/JaeungHyun/alzza>





STUDY MEMBER

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Thanks