

생체신호마이닝

wk01 :



Introduction to PDM

Physiological Data Mining (PDM)

INJE University

2nd semester, 2020

Email : chaos21c@gmail.com



My ID

pdm01: 오가영

pdm02: 김경창

pdm03: 김지운

pdm04: 김채영

pdm05: 김현정

pdm06: 김혜린

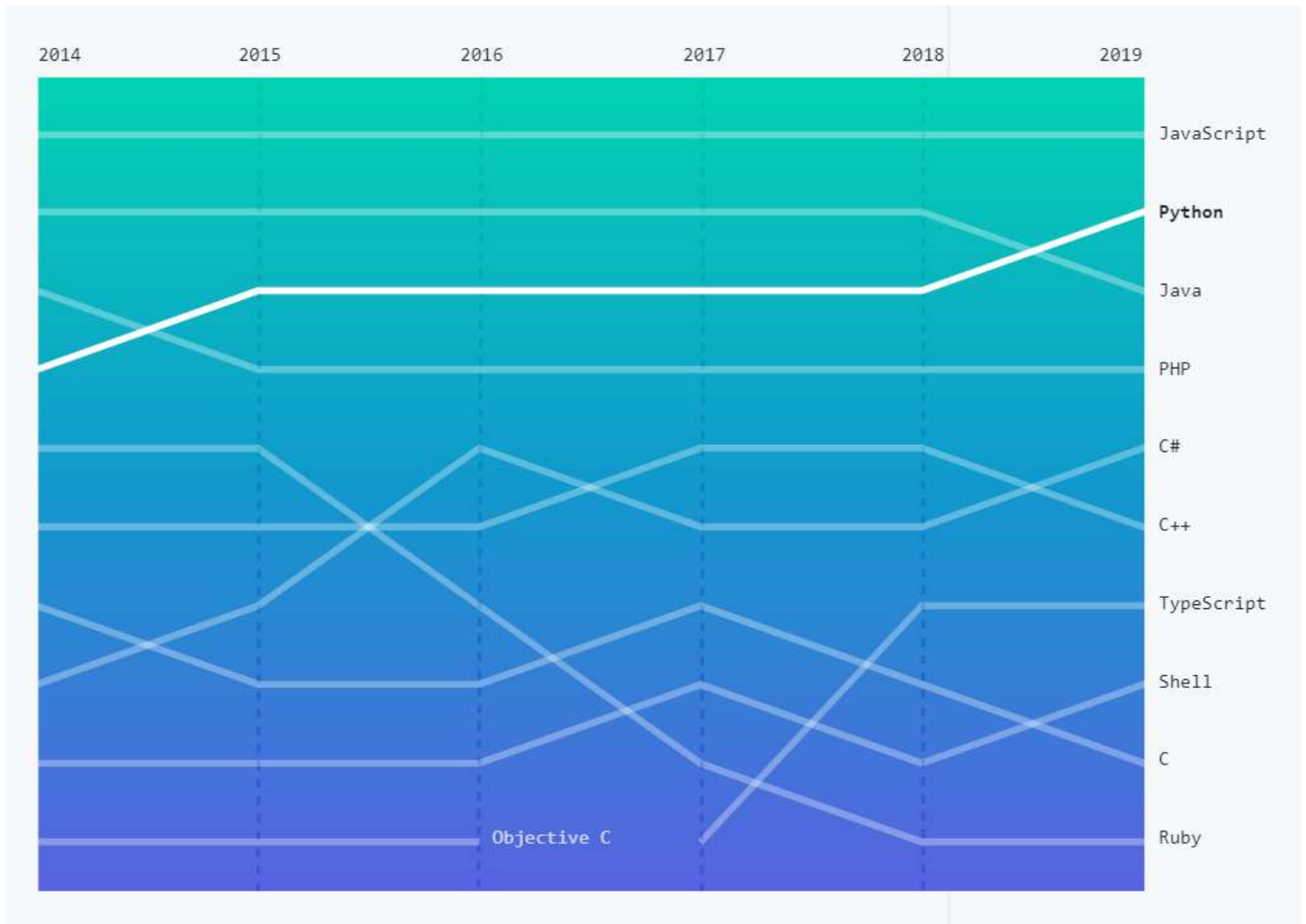
pdm07: 문선영

pdm08: 박도율

pdm09: 손채영

pdm10: 손혁준

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15%

PYTHON

PROJECTIONS OF FUTURE TRAFFIC FOR MAJOR PROGRAMMING LANGUAGES

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JAVASCRIPT
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C++

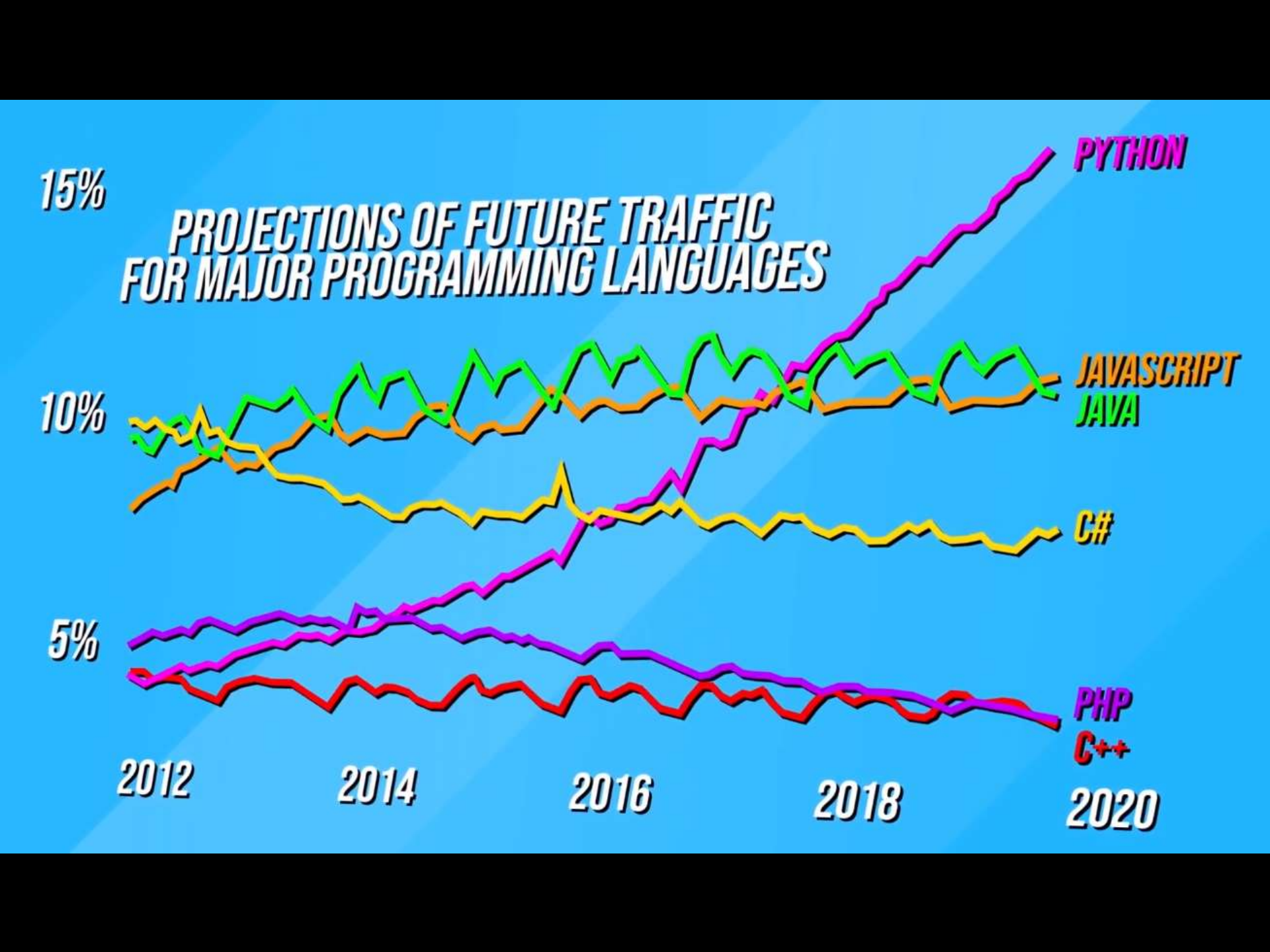
2012

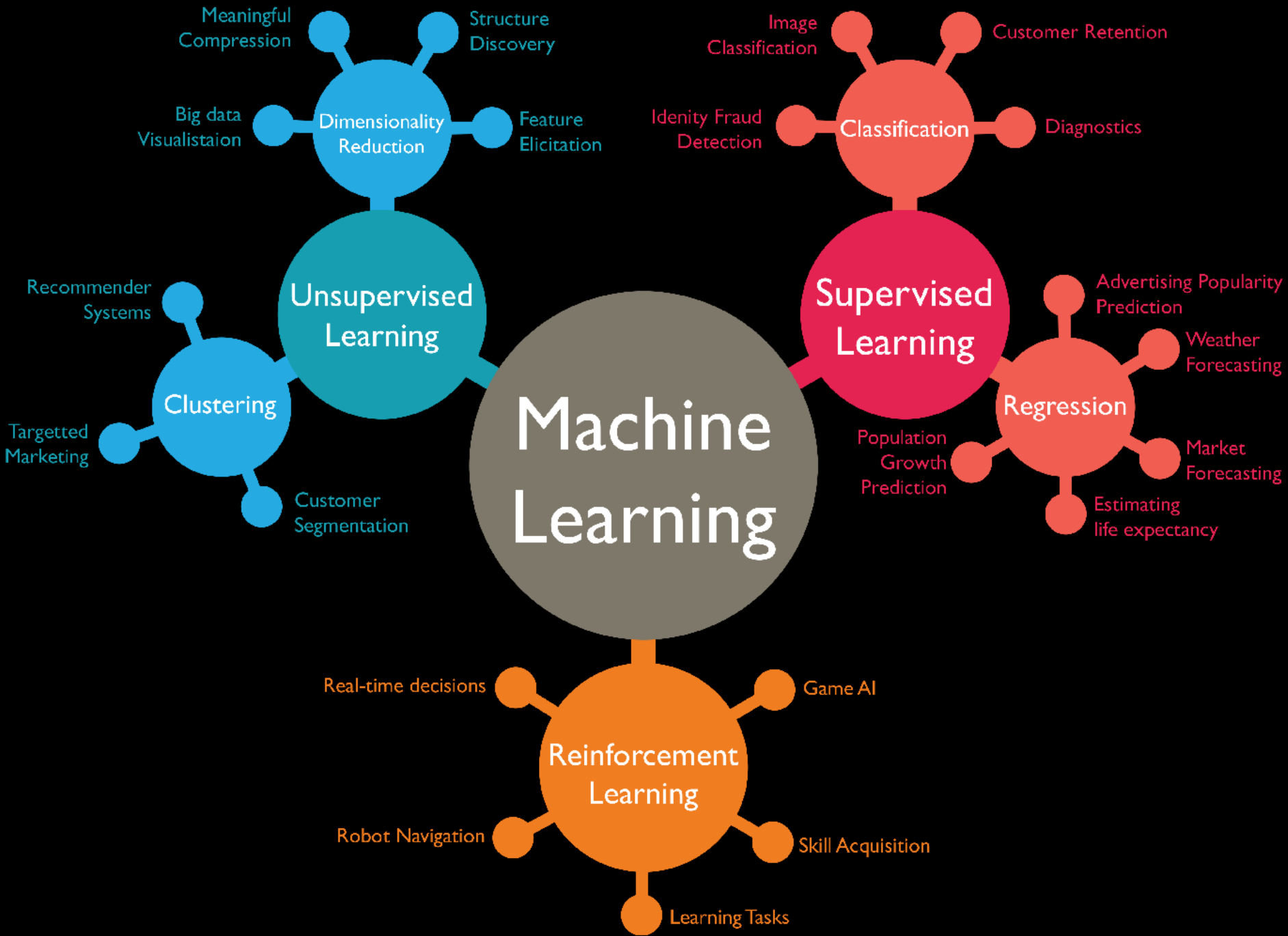
2014

2016

2018

2020

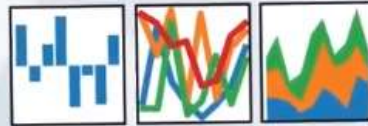






pandas

$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



Flask django

web development,
one drop at a time

Mobile python

• JupyterLab - Python

모바일 뷰마크

TensorFlow.js

Getting Started

Tutorials & Guides

API Reference

FAQ

TRY IT LIVE!

GITHUB



A JavaScript library for training and deploying ML models in
the browser and on Node.js

Develop ML with JavaScript

Use flexible and intuitive APIs to build and train models from scratch using the low-level JavaScript linear algebra library or the high-level layers API

Run Existing Models

Use TensorFlow.js model converters to run pre-existing TensorFlow models right in the browser or under Node.js.

Retrain Existing Models

Retrain pre-existing ML models using sensor data connected to the browser, or other client-side data.

AI deployment using python

→ **streamlit**

Set some hyperparameters

Select batch size

32

Select number of epochs

20

Activation function of CONV2D

relu

Loss function

categorical_crossentropy

Optimizer

Adam

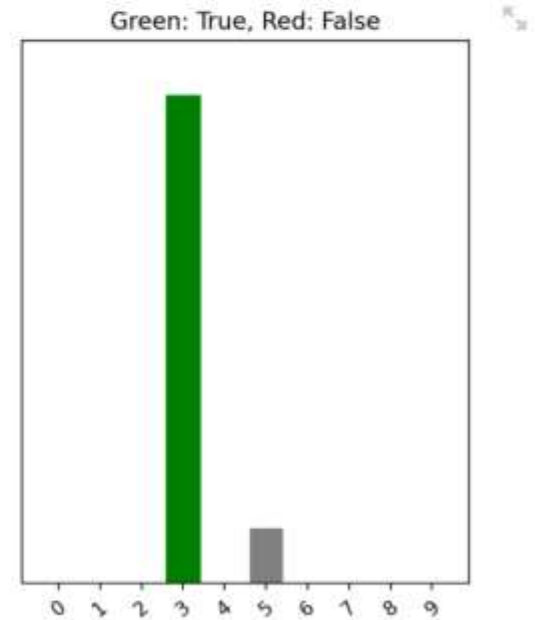
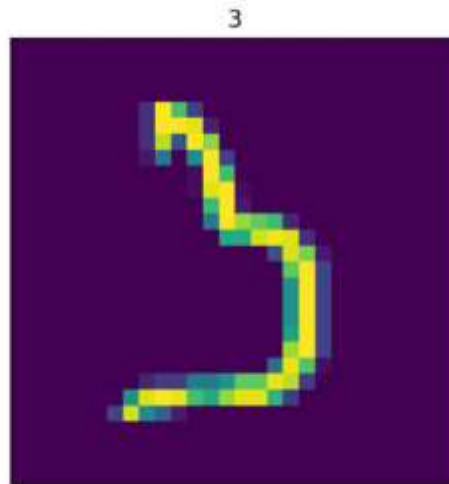
Current model

loss: 0.39

Visualizing results: mnist

☒ Show random prediction results

Test image-883: Classified correctly



Machine(Deep) learning with brain chip

영상검사

생체신호

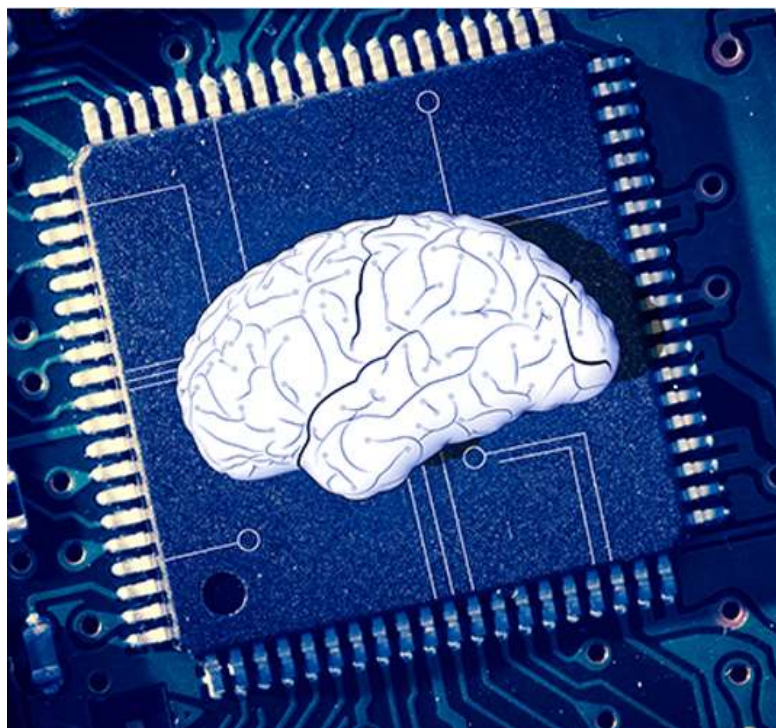
생체영상

유전자

문진 및
진찰

생활습관

SNS



건강관리

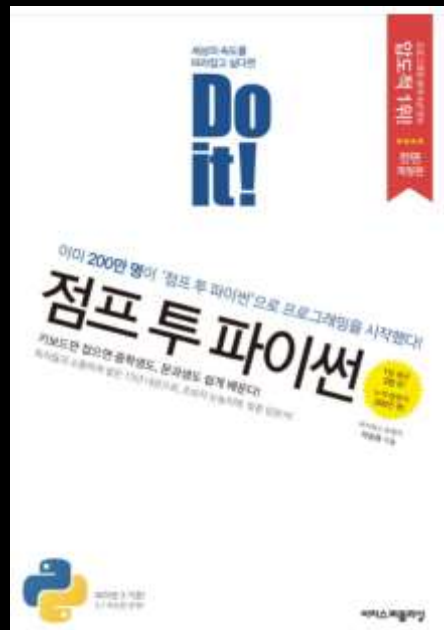
진단/치료

감정조절

교재/참고도서

교재

교재구분	도서명	저자명	출판사	출판년도	ISBN
참고도서	Do it! 점프 투 파이썬	박응용	이지스퍼브리싱	2019	
기타자료	github.com/redwoods/py	Redwoods Yi	github	2020	




성적평가기준

평가방법

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기말고사	30%	
과제	40%	



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Redwoods

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 Inje University

 GimHae, Republic of Korea

 chaos21c@gmail.com

Overview


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Foll




Pinned

-  physics


Introduction to the world of Physics for the undergraduate students, Inje University, GimHae.

★ 1
-  Py

Lectures on coding python from scratch to the advanced level.

 Jupyter Notebook  3
-  Lec

All lectures by Redwoods in Inje University

 Jupyter Notebook



github.com/Redwoods/Py



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Redwoods Update README.md

0247193 39 minutes ago 572 commits



pdm2020

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39 minutes ago



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2 years ago



py-ml-dl-tf

Colaboratory를 통해 생성됨

11 months ago



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Add files via upload

last month



py2020

Update README.md

21 days ago



README.md

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24 days ago



Lecture materials

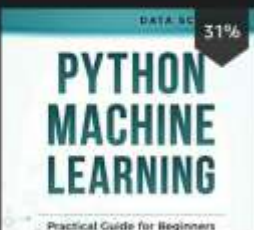
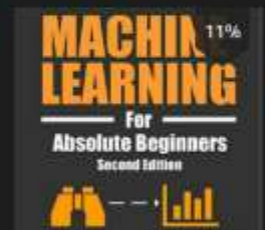
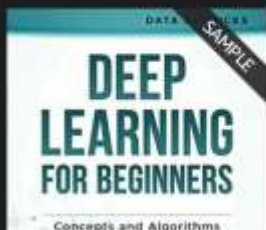
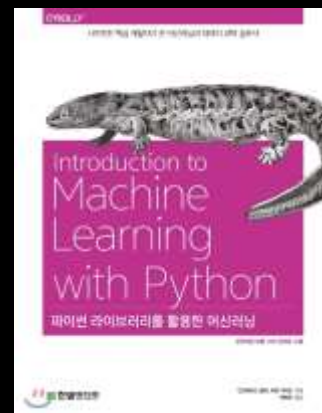
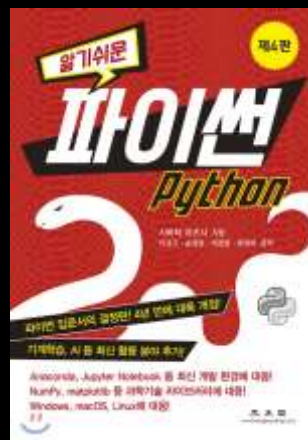
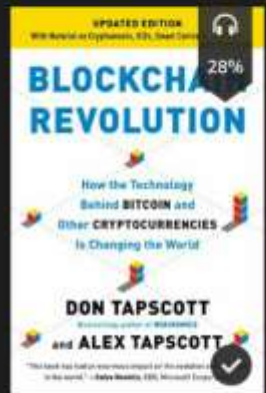
● References & good sites

- ✓ <http://colab.research.google.com> Colab
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- ✓ <https://drive.google.com/drive/my-drive> Google drive
- ✓ <https://www.anaconda.com/distribution/> Python download

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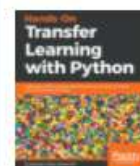
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By Dr. Avishek Pal, Dr...

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Step by Step guide filled with real world practical examples.

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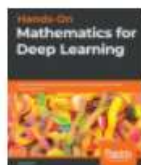
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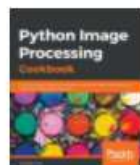
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By Anubhav Singh, Sayak...

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Use the power of deep learning with Python to build and deploy intelligent web applications

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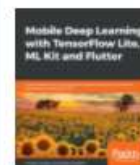
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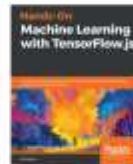
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