

Jeju National University and Machine Learning Camp

Yungcheol Byun

Jeju National University, Korea

Who am I?

- Full Professor, **Dept. of Computer Eng., Jeju National Univ., Jeju, Korea**
- Ph. D., Yonsei University
- Special Instructor, Samsung Electronics
- Senior Researcher, ETRI
- Visiting Scholar, University of Florida
- Director, Information Science Technology Institute
- Head, Institute of Advanced Tech., Jeju National University

Jeju National University

- Founded in 1952
- Relatively Young
- Leading the internationalization of Jeju free international city

Undergraduates	Graduates	Total
10,760	2,025	12,557

Faculty Members	Admin Staff	Total
800	543	1,343







Jeju Island

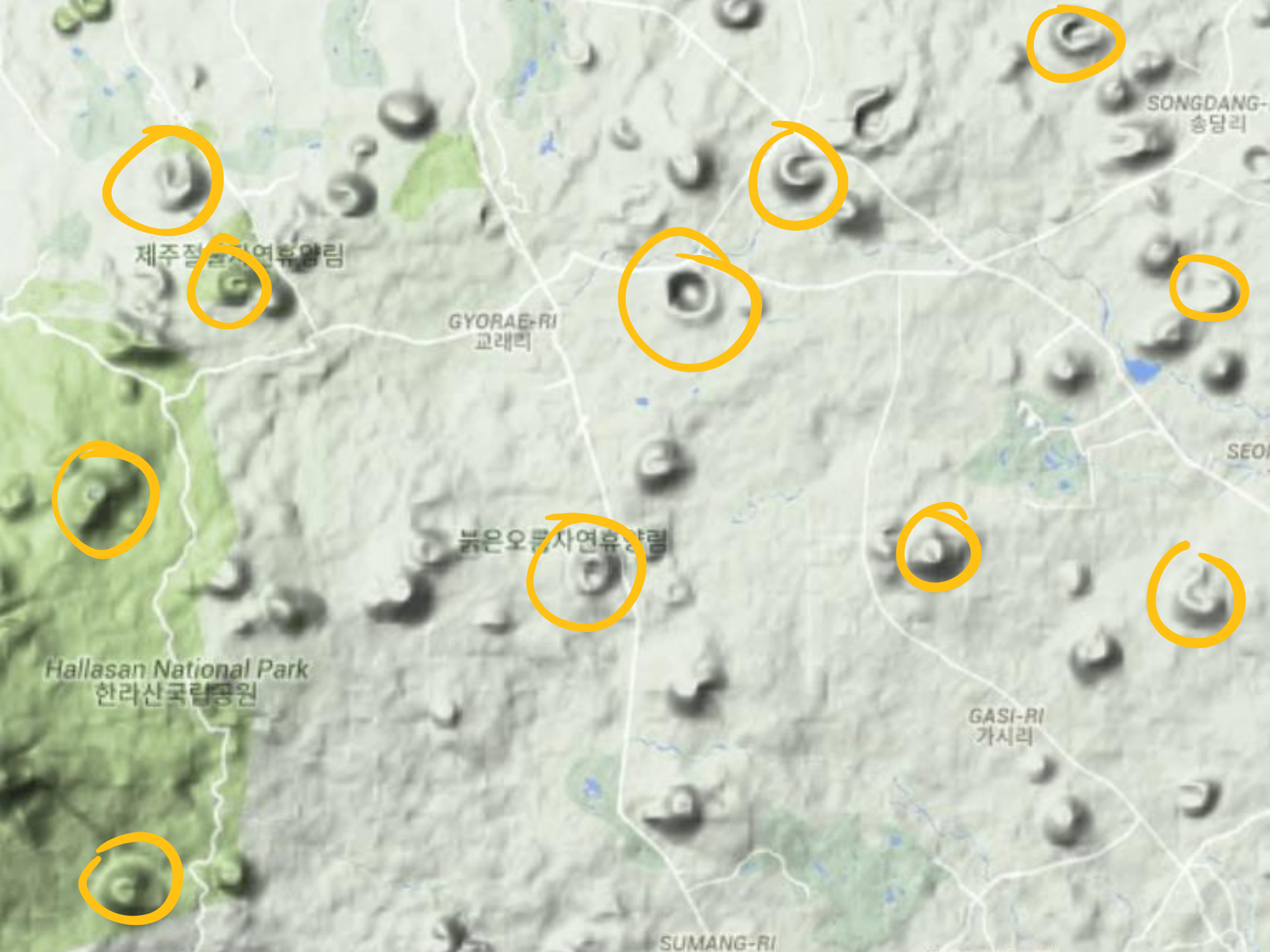
- Southernmost island in Korea
- Special Self-Governing Province
- 73km wide and 41km long
- Volcanic island with a total area of 1,848 km²
- UAE: 83,600 km²



Jeju Island

- Mt. **Halla** in the center of Jeju to **1950m** above sea level
- covered with dark gray **volcanic rocks** and **volcanic ash soil**
- hundreds of **Oreums** (secondary **volcanoes**) and the rarest species of flora
- a population of 680,000, international free city and **no visa area**
- listed as UNESCO's World Nature Heritage





SONGDANG-
송당리

제주절물자연휴양림

GYORAE-RI
교래리

SEO

붉은오름자연휴양림

Hallasan National Park
한라산국립공원

GASI-RI
가시리

SUMANG-RI

Abu Orum



Sebyeol Orum







Research Areas

- Pattern Recognition
- Artificial Intelligence
- Machine Learning
- Intelligent Systems
- Home Network
- RFID, Middleware

Edge Detection using CNN

Traffic Prediction using Recurrent
Neural Networks

Crowdfunding Scams:
Analysis and Classification with
Transfer Learning

How much electricity will
be produced?

RoadCNN:
I know you well, Road.

Unsupervised Video Summarization

MACHINE LEARNING CAMP JEJU 2017



kakao

Google



Camp Numbers



Goals

- Having fun, following my own interest
- Becoming an expert in Machine Learning
- Strong implementation skills + theoretical background
- Interesting ideas and implementation
- Our philosophy is the same as it from CS231n

About me

- BiC Statistics, Uppsala Sweden
- Master Program Engineering Mathematics & Computational Science, Chalmers
- Interested in everything ML & data science

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Jeju



Open Seminar

- Prof. **Kyunghyun Cho**(NYU): creator of seq2seq, “Deep Learning, Where are you going?”
- **Jeff Dean**(Google): Google Brain, “Large-Scale Deep Learning with TF(Hangout)”
- Prof. Lim(USC): “Visual Cognition for Interaction”

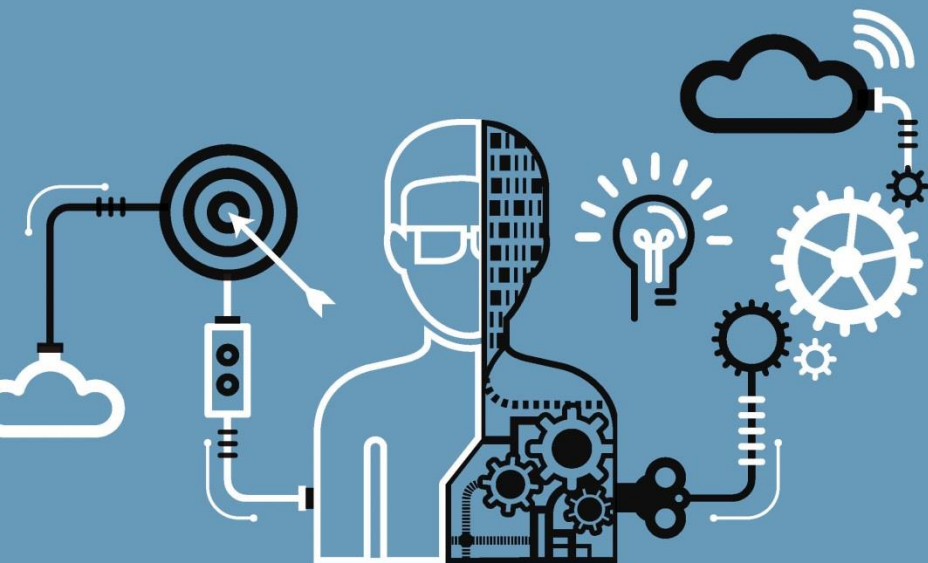
**MACHINE LEARNING
CAMP JEJU 2017**

Supporting Education of Korea
and South Korea citizens abroad
and The Institute of Information & Communications Technology
ML CAMP JEJU 2017 150 HOURS 2017.07.10









MACHINE LEARNING CAMP JEJU 2017

2017.07.10

제주대학교 아라캠퍼스
해양과학대학 4호관 오션홀(1층)

ML CAMP JEJU 2017 1차 세미나

유수의 국내외 머신러닝 전문가분들의 강연에 초대합니다. (전 일정 영어로 진행)

참가대상: 도내외 머신러닝 관련 전공 학생 및 업계 종사자 (선착순 200명)

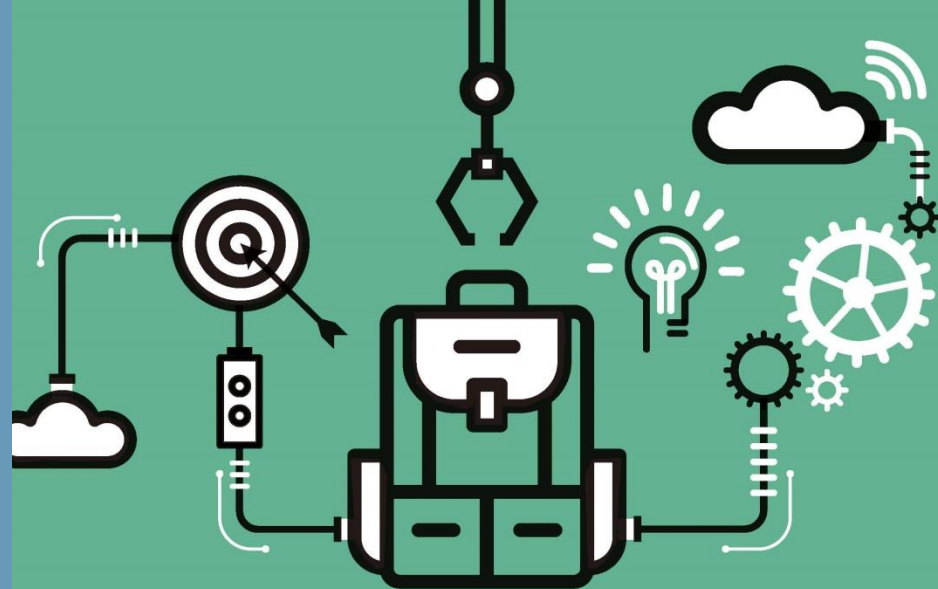
참가방법: 온오프믹스(onoffmix.com/event/103905)에서 참가 신청

시간: 오전 9:20 ~ 오후 4:30

연사: KyungHyun Cho (Professor at NYU)

Jeff Dean (Senior Fellow at Google and Infrastructure Group) - 행아웃 세션

Yerim Choi (Professor at Kyonggi University)



MACHINE LEARNING CAMP JEJU 2017

2017.07.11

제주대학교 아라캠퍼스
공과대학 4호관 411호 강의실

ML CAMP JEJU 2017 1차 학습캠프

주제: 머신러닝 기초

연사: 노희섭 (제주특별자치도 정보융합담당관)

참가대상: 도내외 머신러닝 입문자 (선착순 50명)

참가방법: 온오프믹스(onoffmix.com/event/103920)에서 참가 신청

시간: 오후 6:00 ~ 오후 8:30



kakao

Google



Jeju Center
for Creative Economy&Innovation

Jeju Jeju Special Self-Governing Province



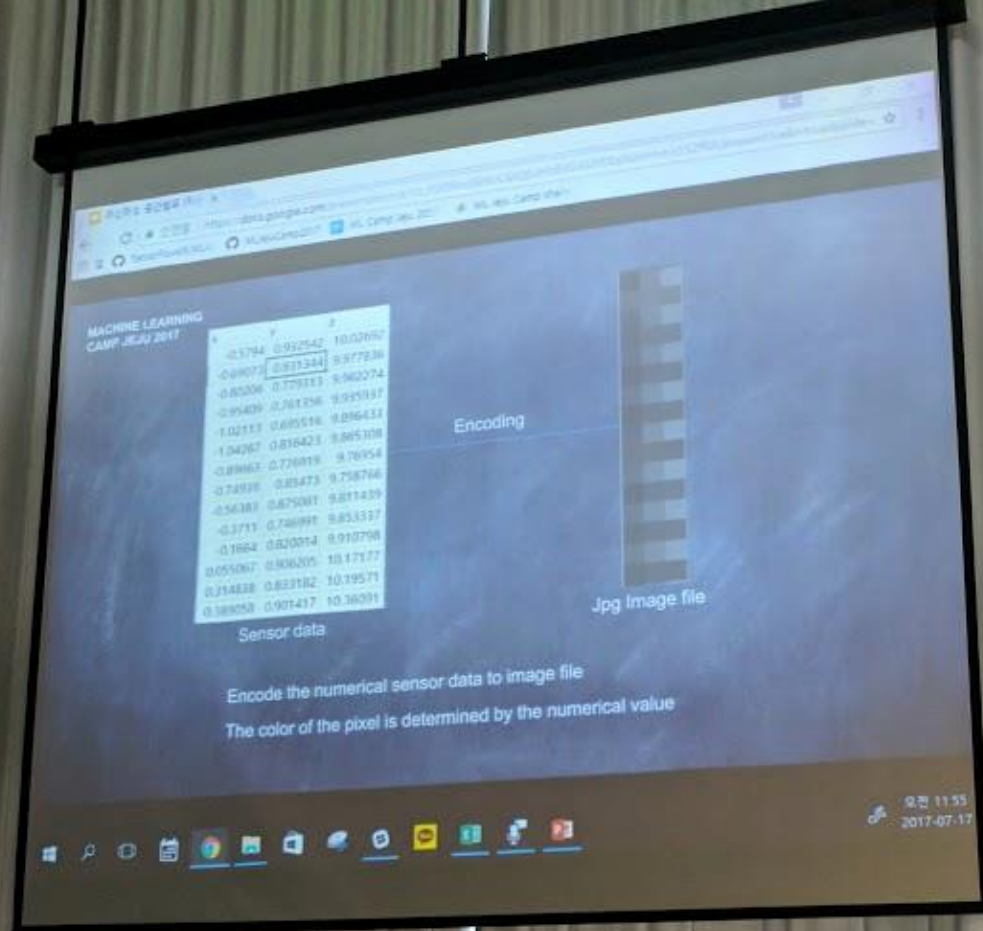
kakao

Google



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**MACHINE
LEARNING
CAMP JEJU**

2018

July 2 ~ July 31, 2018

Jeju National University

25 mentees & 20 mentors

Statistics

India 122, China 116, S. Korea 95,
USA 30, Russia 17, Indonesia 15, Iran 15,
Filipinnes 8, Turkey 7, Pakistan 7, Israel 6,
Malaysia 5, Taiwan 5, Canada 5, UK 5,
Others 30

Statistics

Neural Network Model (62.3%)
Computer Vision (53.2%)
Generative Adversarial Networks (37.2%)
Reinforcement Learning (34.2%)
Object Detection (33.8%)
Natural Language Processing (32.9%)
Training Techniques (32.2%)
Optimization (30.1%)

Organized by:



Sponsored by:

Platinum:



Silver:



Host:





Asian University ML Camp Jeju



July 22 ~ August 7, 2018



Asian University ML Camp

- Philippines, India, Vietnam, Pakistan, Laos, China, Korea, Indonesia
- June 22nd, 2018 (17 days)
- 20 mentees and 10 mentors

Welcome to

U**MLC**2018

Asian University **ML** Camp Jeju

