요약

전반적으로 음식사진을 가지고 Detection을 하는 분야에서는 Deep Convolutional Neural Network(DCNN)을 많이 사용하는 것을 볼 수 있었음

<https://foodai.org/>

국가 싱가포르

Mohammed A. Subhi, Sawal Md. Ali(2018) **A Deep Convolutional Neural Network for Food Detection and Recognition** [2018 IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES)](https://ieeexplore.ieee.org/xpl/conhome/8615983/proceeding),284 - 287

논문은 여기서도 볼 수 있음

-><https://ieeexplore.ieee.org/document/8626720/authors#authors>

Deep Convolutional Neural Network을 사용함

국가 말레이시아’

Keiji Yanai, Yoshiyuki Kawano(2015), Food Image Recognition Using Deep Convolutional Network with Pre-training and Fine-tuning, IEEE International Conference on Multimedia and Expo Workshops (ICMEW),1-6

Demo버전 가능

<http://foodcam.mobi/>

갤럭시에서 사용가능하다.

대신 2015년도 자료이기에 다소 오래된 경향은 있다.

국가 일본

[Seon-Joo Park(Gachon University)](https://www.dbpia.co.kr/author/authorDetail?ancId=1674165), [Akmaljon Palvanov(Gachon University)](https://www.dbpia.co.kr/author/authorDetail?ancId=2191147), [Chang-Ho Lee(Korea Food Research Institute)](https://www.dbpia.co.kr/author/authorDetail?ancId=3988221), [Nanoom Jeong(Gachon University)](https://www.dbpia.co.kr/author/authorDetail?ancId=3987650), [Young-Im Cho(Gachon University)](https://www.dbpia.co.kr/author/authorDetail?ancId=725742), [Hae-Jeung Lee(Gachon University)](https://www.dbpia.co.kr/author/authorDetail?ancId=2013206), The development of food image detection and recognition model for Korean food for mobile dietary management, Nutrition Research and Practice, Vol.13, No.6, 대한지역사회영양학회

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6883229/>

한국에서 연구된 Food image detection 기술

오픈소스

<https://github.com/kumarkan/Food_Detection>

: TensorFlow을 활용한 Food Detection

<https://github.com/AlecMorgan/Automatic-Image-Tagger>

: 저번 기술조사에 있었던 Automatic-Image-Tagger

https://github.com/steven4354/image-classification-food101