semantic segmentaion기술을 이용한 음식 사진 분석 및 레시피 검색 서비스

semantic segmentaion기술

1. FCN
2. DeepLab v1, v2
3. U-Net
4. ReSeg

semantic segmentaion 모델 소개 <https://reniew.github.io/18/>

모델별 자세한 설명 <https://blog.naver.com/laonple/220958109081>

참고) 논문 소개(?) <https://junklee.tistory.com/27>

Deeplab v3 오픈소스 <https://github.com/tensorflow/models/tree/master/research/deeplab>

semantic segmentaion 설명 및 적용분야

<https://devkor.tistory.com/entry/%EB%94%A5%EB%9F%AC%EB%8B%9D%EC%9D%84-%ED%86%B5%ED%95%9C-Image-Segmentation-%EC%9E%85%EB%AC%B8>

Keras\_segmentation 오픈소스 <https://github.com/divamgupta/image-segmentation-keras>

음식 인식 기술

<https://tech.kakaoenterprise.com/84>

논문

딥러닝 기반 푸드 검색 시스템을 위한 데이터베이스<https://www.dbpia.co.kr/pdf/pdfView.do?nodeId=NODE07284943&mark=0&useDate=&bookmarkCnt=0&ipRange=N&accessgl=Y&language=ko_KR>

머신러닝 기반 사진인식 기술을 활용한 다이어트 AI

<https://www.dbpia.co.kr/pdf/pdfView.do?nodeId=NODE10530979>

IoT 기반 스마트 냉장고 시스템

<https://www.dbpia.co.kr/pdf/pdfView.do?nodeId=NODE07576476>

DeepFood: Deep Learning-based Food Image Recognition for Computer-aided Dietary Assessment

<file:///C:/Users/82105/Downloads/DeepFood_Deep_Learning-Based_Food_Image_Recognitio.pdf>

A new deep learning-based food recognition system for dietary assessment on an edge computing service infrastructure

<https://d1wqtxts1xzle7.cloudfront.net/53070992/IJSC_DeepFood_on_Edge_2017.pdf?1494430532=&response-content-disposition=inline%3B+filename%3DA_New_Deep_Learning_based_Food_Recogniti.pdf&Expires=1617764313&Signature=XNb1aB1NVIYqb8P3qLWIolNwddf7loYIjxOxvdW1gQTYQSHLzbUpo~POW~9~NhX6npMm4KzXHrukZP047vTFEKtjZJPcONfYYi5sdzdlq3ZGB~UX43PuI-KF5Eex42oHjLzPsZ-PRkx5ds24dVSibgutYFHAsqJuo44sb1~TodRBHa8VecHuuPD4GM0PB8WIMyqcsPCNkTxlcLL2xEX8iXV5F6V4qpCafDo7qUyAJvC1yAcPqJ7eJ2WR0tjKJcqI74kKaKlcPT1cTXDCMqmQhWA9ztzuQ6QZdYw2k2uhSvELdRBcnmFPxrN2RObckYyXQLfxaX0Hen5P-JyzdO6XXg__&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA>

Deep learning approaches in food recognition

<https://arxiv.org/ftp/arxiv/papers/2004/2004.03357.pdf>