Awards

Thanks to Workshop Sponsors & Collaborators

Dataset Collection & Challenge Hosting

Sponsor for Challenge and Award
Collaborator in Challenge Organization

Collaborator in Challenge Organization

WebVision 2017

PASCAL VOC Transfer Learning Track

1st Place

$1,000 Cash Prize

Visual Understanding by Learning from Web Data (WebVision) Workshop

Conference on Computer Vision and Pattern Recognition, Honolulu, July 26th, 2017

presents

1st Place Award

in

WebVision 2017 Challenge on *PASCAL VOC Transfer Learning* Task

to the Authors

Sheng Guo, Weilin Huang, Chenfan Zhuang, Dengke Dong, Haozhi Zhang, Matthew R. Scott, Dinglong Huang

Malong Technologies Co., Ltd.

WebVision 2017

WebVision Image Classification Track

3rd Place

$1,000 Cash Prize

Visual Understanding by Learning from Web Data (WebVision) Workshop

Conference on Computer Vision and Pattern Recognition, Honolulu, July 26th, 2017

presents

3rd Place Award

in

WebVision 2017 Challenge on *WebVision Image Classification* Task

to the Authors

Yuncheng Li, Jianchao Yang

University of Rochester and Snap Inc.

CVL Computer Vision Lab

ETHzürich

Google

Carnegie Mellon University
The Robotics Institute

WebVision 2017

WebVision Image Classification Track

2nd Place

$2,000 Cash Prize

Visual Understanding by Learning from Web Data (WebVision) Workshop
Conference on Computer Vision and Pattern Recognition, Honolulu, July 26th, 2017

presents

2nd Place Award

in

WebVision 2017 Challenge on *WebVision Image Classification* Task

to the Authors

Ziheng Zhang, Jia Zheng, Shenghua Gao, Yi Ma

Shanghaitech University

WebVision 2017

WebVision Image Classification Track

1st Place

$3,000 Cash Prize

Visual Understanding by Learning from Web Data (WebVision) Workshop

Conference on Computer Vision and Pattern Recognition, Honolulu, July 26th, 2017

presents

1st Place Award

in

WebVision 2017 Challenge on *WebVision Image Classification* Task

to the Authors

Sheng Guo, Weilin Huang, Chenfan Zhuang, Dengke Dong, Haozhi Zhang, Matthew R. Scott, Dinglong Huang

Malong Technologies Co., Ltd.

CVL Computer Vision Lab

ETH zürich

Google

Carnegie Mellon University
The Robotics Institute

Closing Remarks

Summary

- High top-5 accuracy has been achieved
    - 1st place, 94.78
- Noise is the major concern
    - Clustering + Curriculum Learning
    - Resampling + ensemble layer + Bootstrapping
    - Learning rate adjusting
    - Confidence based data cleaning
- Few cares of meta-data

Open Questions

- Definition of classes
  - Long tail distribution
  - What classes are representative?
- Number of classes
  - Are 1,000 calesses enough?
- Larger scale
  - Shall we increase the dataset size
- More tasks
  - Webly supervised semantic segmentation / object detection
  - Video Recognition

Thank you!