Web Image Dataset for Event Recognition (WIDER)

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News

- Baseline results together with Caffe style models released.
- Download available now. See download section.
- We did further cleaning on the dataset. New baseline results will updated to the website soon.

What is WIDER?

WIDER is a dataset for complex event recognition from static images. As of *v0.1*, it contains 61 event categories and around 50574 images annotated with event class labels. We provide a split of 50% for training and 50% for testing.

Sample Images

Download

Please use this link for downloading.

Results

This section list the experimental results on WIDER.

Event Classification

Under this setting, the training set of 25275 images will be used to train a event recognition system which classifies an input image into 61 event classes. The test set will be used to evaluate the performance of the system based on its mean recognition accuracy.

Method	Mean Accuracy (%)	Per-class Results	Models
Baseline CNN*	39.67	Link	Caffe Models
CNN Deep Channel Fusing	42.42	Link	Caffe Models

* the *Baseline CNN* is finetuned from a well-known AlexNet model pretrained on ImageNet.

You are welcome to submit your results to be listed here.

Citing WIDER

Please cite the following paper in you publication if WIDER helps your research

```
@inproceedings{xiong2015wider,
  title={Recognize Complex Events from Static Images by Fusing Deep Channels},
  author={Xiong, Yuanjun and Zhu, Kai and Lin, Dahua and Tang, Xiaoou},
  booktitle={Computer Vision and Pattern Recognition (CVPR), 2015 IEEE Conference on},
  year={2015},
  organization={IEEE}
}
```

Contact

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