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derekjchow committed on **GitHub** Merge pull request #1869 from tmattio/master ⋯   Latest commit `a75dcd5` 2 days ago

..

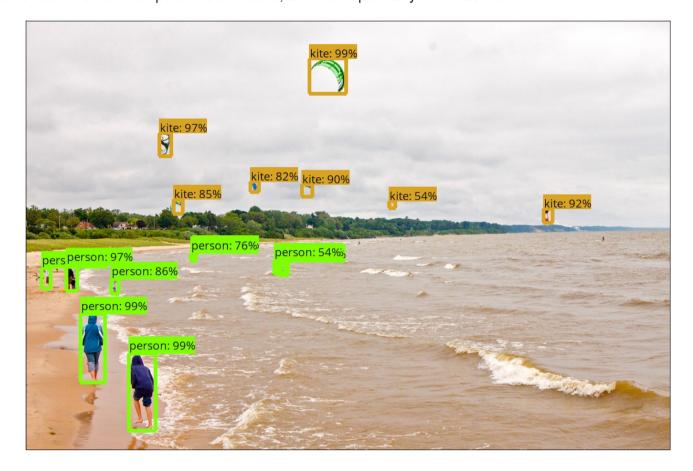|		
📁 anchor_generators	Add Tensorflow Object Detection API. (#1561)	25 days ago
📁 box_coders	Add Tensorflow Object Detection API. (#1561)	25 days ago
📁 builders	snake_case Decode function	12 days ago
📁 core	Fix compatibility for object_detection/core/batcher.py	5 days ago
📁 data	Add Tensorflow Object Detection API. (#1561)	25 days ago
📁 data_decoders	snake_case Decode function	12 days ago
📁 g3doc	Update directories in running_pets.md	2 days ago
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📁 meta_architectures	Make tests compatible with Python 3	4 days ago
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📁 protos	Add Tensorflow Object Detection API. (#1561)	25 days ago
📁 samples	Update ssd_inception_v2_pets.config	11 days ago
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📁 utils	Merge pull request #1869 from tmattio/master	2 days ago
📄 BUILD	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 CONTRIBUTING.md	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 README.md	Add documentation on bringing in your own dataset.	2 days ago
📄 __init__.py	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 create_pascal_tf_record.py	Make Record scripts python3 compatible. (#1614)	20 days ago
📄 create_pascal_tf_record_test.py	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 create_pet_tf_record.py	Make Record scripts python3 compatible. (#1614)	20 days ago
📄 eval.py	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 eval_util.py	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 evaluator.py	updates object_detection/eval.py to be python3 compatible	11 days ago
📄 export_inference_graph.py	Add capability to export as SavedModel in exporter script.	12 days ago
📄 exporter.py	Fixed dictionary key for SavedModel	11 days ago
📄 exporter_test.py	Add capability to export as SavedModel in exporter script.	12 days ago
📄 object_detection_tutorial.ipynb	Add Installation link to jupyter notebook tutorial	10 days ago
📄 train.py	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 trainer.py	Add Tensorflow Object Detection API. (#1561)	25 days ago
📄 trainer_test.py	Add Tensorflow Object Detection API. (#1561)	25 days ago

▤ **README.md**

Tensorflow Object Detection API

Creating accurate machine learning models capable of localizing and identifying multiple objects in a single image remains a

core challenge in computer vision. The TensorFlow Object Detection API is an open source framework built on top of TensorFlow that makes it easy to construct, train and deploy object detection models. At Google we've certainly found this codebase to be useful for our computer vision needs, and we hope that you will as well.

Contributions to the codebase are welcome and we would love to hear back from you if you find this API useful. Finally if you use the Tensorflow Object Detection API for a research publication, please consider citing:

```
"Speed/accuracy trade-offs for modern convolutional object detectors."
Huang J, Rathod V, Sun C, Zhu M, Korattikara A, Fathi A, Fischer I, Wojna Z,
Song Y, Guadarrama S, Murphy K, CVPR 2017
```

[link][bibtex]

Maintainers

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- Derek Chow, github: derekjchow
- Chen Sun, github: jesu9
- Menglong Zhu, github: dreamdragon

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- Exporting a trained model for inference
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Getting Help

Please report bugs to the tensorflow/models/ Github issue tracker, prefixing the issue name with "object_detection". To get help with issues you may encounter using the Tensorflow Object Detection API, create a new question on StackOverflow with the tags "tensorflow" and "object-detection".

Release information

June 15, 2017

In addition to our base Tensorflow detection model definitions, this release includes:

- A selection of trainable detection models, including:
  - Single Shot Multibox Detector (SSD) with MobileNet,
  - SSD with Inception V2,
  - Region-Based Fully Convolutional Networks (R-FCN) with Resnet 101,
  - Faster RCNN with Resnet 101,
  - Faster RCNN with Inception Resnet v2
- Frozen weights (trained on the COCO dataset) for each of the above models to be used for out-of-the-box inference purposes.
- A Jupyter notebook for performing out-of-the-box inference with one of our released models
- Convenient local training scripts as well as distributed training and evaluation pipelines via Google Cloud.

Thanks to contributors: Jonathan Huang, Vivek Rathod, Derek Chow, Chen Sun, Menglong Zhu, Matthew Tang, Anoop Korattikara, Alireza Fathi, Ian Fischer, Zbigniew Wojna, Yang Song, Sergio Guadarrama, Jasper Uijlings, Viacheslav Kovalevskyi, Kevin Murphy

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