

Frequently Asked Questions

Q: How can I ensure that all the groundtruth boxes are used during train and eval?

A: For the object detection framework to be TPU-compliant, we must pad our input tensors to static shapes. This means that we must pad to a fixed number of bounding boxes, configured by

`InputReader.max_number_of_boxes`. It is important to set this value to a number larger than the maximum number of groundtruth boxes in the dataset. If an image is encountered with more bounding boxes, the excess boxes will be clipped.

Q: AttributeError: 'module' object has no attribute 'BackupHandler'

A: This BackupHandler (`tf_slim.tfexample_decoder.BackupHandler`) was introduced in tensorflow 1.5.0 so running with earlier versions may cause this issue. It now has been replaced by `object_detection.data_decoders.tf_example_decoder.BackupHandler`. Whoever sees this issue should be able to resolve it by syncing your fork to HEAD. Same for LookupTensor.

Q: AttributeError: 'module' object has no attribute 'LookupTensor'

A: Similar to BackupHandler, syncing your fork to HEAD should make it work.

Q: Why can't I get the inference time as reported in model zoo?

A: The inference time reported in model zoo is mean time of testing hundreds of images with an internal machine. As mentioned in [TensorFlow detection model zoo](#), this speed depends highly on one's specific hardware configuration and should be treated more as relative timing.