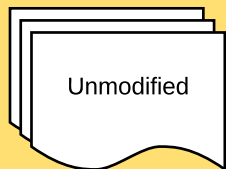
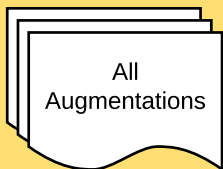


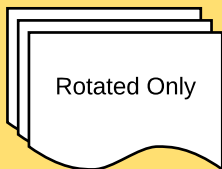
Training Images



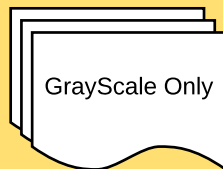
Unmodified



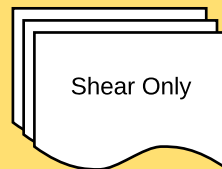
All
Augmentations



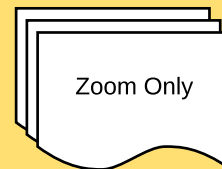
Rotated Only



GrayScale Only

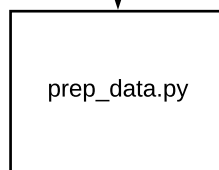


Shear Only

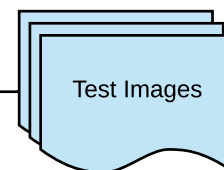


Zoom Only

prep_data loads the selected image sets into
memory, keeps track of training image ids



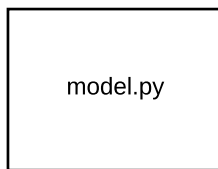
prep_data.py



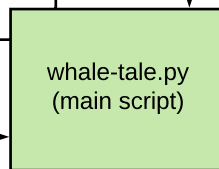
Test Images

whale-tale requests specific training
image sets from prep_data

prep_data returns
image and label data

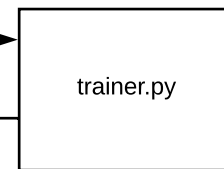


model.py



whale-tale.py
(main script)

Model and training data are
passed to trainer for training



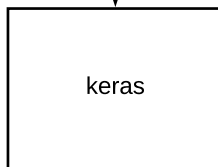
trainer.py

trainer returns trained model

whale-tale requests model
from model

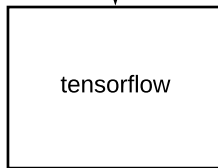
model returns model

model creates model using keras library



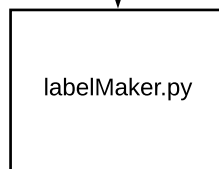
keras

keras uses tensorflow backend



tensorflow

Model predictions for test
images are passed to
labelMaker as probabilities



labelMaker.py

labelMaker chooses best
labels for each test image
and outputs to file



test.csv