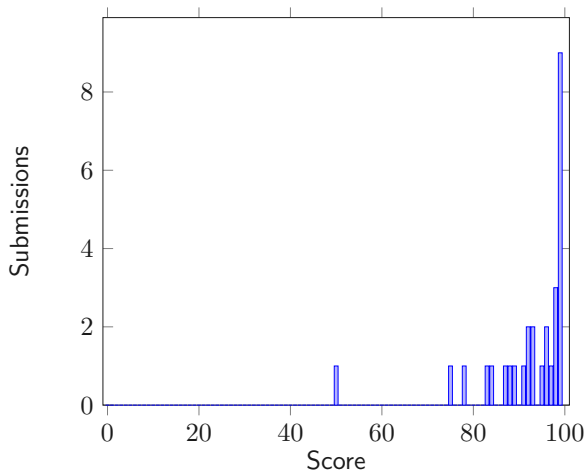


# Deep Learning for Visual Computing

## Assignment 2 Recap

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# Score Distribution (Median: 96)



# Feedback

See `FEEDBACK.md` inside your submission directory

Fix errors in classes that are reused in assignment 3

Otherwise errors will get carried over

## Learning rate decay vs. weight decay in Keras

*# wrong, this is learning rate decay*

```
sgd = SGD(decay=weight_decay, ...)
```

*# correct (per-layer) weight decay*

```
from keras.regularizers import l2
```

```
layer = Dense(W_regularizer=l2(weight_decay), ...)
```

```
layer = Convolution2D(W_regularizer=l2(weight_decay), ...)
```

Let the batch generator do the preprocessing

Apply transformations online (within `batch()`)

- ▶ To support random data augmentation (assignment 3)

```
tforms = TransformationSequence() # fill ...  
mb_train = MiniBatchGenerator(ds_train, 32, tforms)
```