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Layer (type) Output Shape Param #

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input\_1 (InputLayer) (None, 1) 0

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lambda\_1 (Lambda) (None, 512) 0

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dense\_1 (Dense) (None, 256) 131328

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dropout\_1 (Dropout) (None, 256) 0

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dense\_2 (Dense) (None, 64) 16448

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dropout\_2 (Dropout) (None, 64) 0

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dense\_3 (Dense) (None, 1) 65

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Total params: 147,841

Trainable params: 147,841

Non-trainable params: 0

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2019-06-04 11:11:51.487007: I tensorflow/core/platform/cpu\_feature\_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2

Train on 40000 samples, validate on 10000 samples

Epoch 1/20

40000/40000 [==============================] - 101s 3ms/step - loss: 0.3799 - acc: 0.8329 - val\_loss: 0.3330 - val\_acc: 0.8560

Epoch 2/20

40000/40000 [==============================] - 159s 4ms/step - loss: 0.3385 - acc: 0.8518 - val\_loss: 0.3244 - val\_acc: 0.8605

Epoch 3/20

40000/40000 [==============================] - 157s 4ms/step - loss: 0.3291 - acc: 0.8575 - val\_loss: 0.3215 - val\_acc: 0.8583

Epoch 4/20

40000/40000 [==============================] - 176s 4ms/step - loss: 0.3223 - acc: 0.8628 - val\_loss: 0.3199 - val\_acc: 0.8595

Epoch 5/20

40000/40000 [==============================] - 157s 4ms/step - loss: 0.3170 - acc: 0.8650 - val\_loss: 0.3230 - val\_acc: 0.8615

Epoch 6/20

40000/40000 [==============================] - 162s 4ms/step - loss: 0.3125 - acc: 0.8664 - val\_loss: 0.3089 - val\_acc: 0.8671

Epoch 7/20

40000/40000 [==============================] - 96s 2ms/step - loss: 0.3052 - acc: 0.8702 - val\_loss: 0.3085 - val\_acc: 0.8688

Epoch 8/20

40000/40000 [==============================] - 82s 2ms/step - loss: 0.3010 - acc: 0.8719 - val\_loss: 0.3201 - val\_acc: 0.8602

Epoch 9/20

40000/40000 [==============================] - 85s 2ms/step - loss: 0.2965 - acc: 0.8738 - val\_loss: 0.3075 - val\_acc: 0.8691

Epoch 10/20

40000/40000 [==============================] - 118s 3ms/step - loss: 0.2943 - acc: 0.8745 - val\_loss: 0.3161 - val\_acc: 0.8642

Epoch 11/20

40000/40000 [==============================] - 156s 4ms/step - loss: 0.2903 - acc: 0.8776 - val\_loss: 0.3107 - val\_acc: 0.8661

Epoch 12/20

40000/40000 [==============================] - 156s 4ms/step - loss: 0.2854 - acc: 0.8799 - val\_loss: 0.3066 - val\_acc: 0.8687

Epoch 13/20

40000/40000 [==============================] - 119s 3ms/step - loss: 0.2810 - acc: 0.8824 - val\_loss: 0.3132 - val\_acc: 0.8642

Epoch 14/20

40000/40000 [==============================] - 85s 2ms/step - loss: 0.2765 - acc: 0.8834 - val\_loss: 0.3115 - val\_acc: 0.8667

Epoch 15/20

40000/40000 [==============================] - 80s 2ms/step - loss: 0.2737 - acc: 0.8846 - val\_loss: 0.3181 - val\_acc: 0.8640

Epoch 16/20

40000/40000 [==============================] - 85s 2ms/step - loss: 0.2677 - acc: 0.8903 - val\_loss: 0.3091 - val\_acc: 0.8655

Epoch 17/20

40000/40000 [==============================] - 80s 2ms/step - loss: 0.2644 - acc: 0.8903 - val\_loss: 0.3180 - val\_acc: 0.8668

Epoch 18/20

40000/40000 [==============================] - 85s 2ms/step - loss: 0.2600 - acc: 0.8907 - val\_loss: 0.3139 - val\_acc: 0.8660

Epoch 19/20

40000/40000 [==============================] - 81s 2ms/step - loss: 0.2546 - acc: 0.8931 - val\_loss: 0.3146 - val\_acc: 0.8694

Epoch 20/20

40000/40000 [==============================] - 83s 2ms/step - loss: 0.2531 - acc: 0.8957 - val\_loss: 0.3192 - val\_acc: 0.8655

A screenshot of a cell phone

Description automatically generated