

```
In [1]: # Explanation of prediction output when activation is sigmoid:  
# https://forum.freecodecamp.org/t/model-predict-output/470349  
  
import tensorflow as tf  
import tensorflow_datasets as tfds  
import logging, os  
import pandas as pd  
import time  
from tensorflow.keras.models import load_model  
import numpy as np  
from sklearn import metrics  
import matplotlib.pyplot as plt  
  
BASE_PATH = "../../../../../local_data/practice/tfds/"  
DATA_PATH = "../../../../../local_data/tfds/"  
OUTPUT_PATH = BASE_PATH+"predict_example_01/"  
os.system("mkdir -p " + OUTPUT_PATH)  
  
  
# Load the dataset  
(train_dataset, test_dataset), metadata = tfds.load(  
    'cats_vs_dogs',  
    data_dir=DATA_PATH,  
    # split=['train[:80%]', 'train[80%:]'],  
    split=['train[:80%]', 'train[99%:]'],  
    with_info=True,  
    as_supervised=True  
)  
  
print(f"Number of test samples: {test_dataset.cardinality()}")  
  
  
# Preprocess the data  
def preprocess(image, label):  
    image = tf.cast(image, tf.float32)  
    image = tf.image.resize(image, [256, 256])  
    image = image / 255.0  
    return image, label  
  
train_dataset = train_dataset.map(preprocess)  
test_dataset = test_dataset.map(preprocess)  
  
batch_size = 64  
train_dataset = train_dataset.cache().batch(batch_size).prefetch(buffer_size=1)  
test_dataset = test_dataset.cache().batch(batch_size).prefetch(buffer_size=1)  
  
  
# Load model  
filename = "epochs_5.000_date_20250708-215035.h5"  
filename = "acc_0.966_epochs_8.000_date_20250710-211155.h5"  
filename = "acc_0.703_epochs_1.000_date_20250711-141215.h5"  
filename = "acc_0.742_epochs_1.000_date_20250711-142521.h5"  
fullpath = f"{OUTPUT_PATH}{filename}"  
model = load_model(fullpath)  
model.summary()
```

```
# Make predictions
predictions = model.predict(test_dataset)
allpreds=predictions.flatten()
allpnorms = np.where(allpreds > 0.5, 1, 0)

alllabels=np.empty(0)
for images, labels in test_dataset:
    alllabels = np.append(alllabels, labels.numpy().flatten())

score = metrics.accuracy_score(alllabels, allpnorms)
print("Validation accuracy score: {}".format(score))

collabels = pd.DataFrame(alllabels, columns=["l"])
colpreds = pd.DataFrame(allpreds, columns=["pred"])
pnorm = pd.DataFrame(allpnorms, columns=["pnorm"])
diff = collabels["l"] - pnorm["pnorm"]

compare = pd.concat([collabels, colpreds,pnorm,diff], axis=1)
compare.columns = ["l", "pred", "pnorm","diff"]
print(compare)

compare.to_csv(OUTPUT_PATH + "pred_test_load.csv", index=False)
```

```
2025-07-15 20:56:43.299663: E external/local_xla/xla/stream_executor/cuda/cuda_dnn.cc:9261] Unable to register cuDNN factory: Attempting to register factory for plugin cuDNN when one has already been registered
2025-07-15 20:56:43.299696: E external/local_xla/xla/stream_executor/cuda/cuda_fft.cc:607] Unable to register cuFFT factory: Attempting to register factory for plugin cuFFT when one has already been registered
2025-07-15 20:56:43.300542: E external/local_xla/xla/stream_executor/cuda/cuda_blas.cc:1515] Unable to register cuBLAS factory: Attempting to register factory for plugin cuBLAS when one has already been registered
2025-07-15 20:56:43.305537: I tensorflow/core/platform/cpu_feature_guard.cc:182] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.
To enable the following instructions: SSE4.1 SSE4.2 AVX AVX2 FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.
2025-07-15 20:56:45.545967: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.546254: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.607106: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.607413: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.607644: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.607867: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.753013: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.753271: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355
2025-07-15 20:56:45.753488: I external/local_xla/xla/stream_executor/cuda/cuda_executor.cc:901] successful NUMA node read from SysFS had negative value
```

(-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.753694: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.753894: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.754098: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.763479: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.763713: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.763931: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.764140: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.764352: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.764514: I tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1929] Created device /job:localhost/replica:0/task:0/device:GPU:0 with 22462 MB memory: -> device: 0, name: NVIDIA GeForce RTX 3090, pci bus id: 0000:81:00.0, compute capability: 8.6

2025-07-15 20:56:45.764967: I external/local\_xla/xla/stream\_executor/cuda/cuda\_executor.cc:901] successful NUMA node read from SysFS had negative value (-1), but there must be at least one NUMA node, so returning NUMA node zero. See more at <https://github.com/torvalds/linux/blob/v6.0/Documentation/ABI/testing/sysfs-bus-pci#L344-L355>

2025-07-15 20:56:45.765134: I tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1929] Created device /job:localhost/replica:0/task:0/device:GPU:1 with 22462 MB memory: -> device: 1, name: NVIDIA GeForce RTX 3090, pci bus id: 0000:c1:00.0, compute capability: 8.6

Number of test samples: 233  
 Model: "sequential"

Layer (type)	Output Shape	Param #
<hr/>		
conv2d (Conv2D)	(None, 254, 254, 32)	896
max_pooling2d (MaxPooling2D)	(None, 127, 127, 32)	0
conv2d_1 (Conv2D)	(None, 125, 125, 64)	18496
max_pooling2d_1 (MaxPooling2D)	(None, 62, 62, 64)	0
flatten (Flatten)	(None, 246016)	0
dense (Dense)	(None, 512)	125960704
dense_1 (Dense)	(None, 1)	513
<hr/>		
Total params: 125980609 (480.58 MB)		
Trainable params: 125980609 (480.58 MB)		
Non-trainable params: 0 (0.00 Byte)		

2025-07-15 20:56:53.175174: I external/local\_xla/xla/stream\_executor/cuda/cuda\_dnn.cc:454] Loaded cuDNN version 8907

4/4 [=====] - 1s 78ms/step

Validation accuracy score: 0.7424892703862661

	l	pred	pnorm	diff
0	1.0	0.688788	1	0.0
1	0.0	0.463511	0	0.0
2	1.0	0.753269	1	0.0
3	1.0	0.557541	1	0.0
4	1.0	0.857560	1	0.0
..	...	...	...	...
228	0.0	0.070332	0	0.0
229	0.0	0.873075	1	-1.0
230	0.0	0.272616	0	0.0
231	1.0	0.787487	1	0.0
232	0.0	0.276509	0	0.0

[233 rows x 4 columns]

```
In [2]: # Load the dataset
(train_dataset, test_dataset), metadata = tfds.load(
    'cats_vs_dogs',
    data_dir=DATA_PATH,
    split=['train[:80%]', 'train[80%:]'],
    split=['train[:80%]', 'train[99%:]'],
    with_info=True,
    as_supervised=True
)
number_of_images=233
allcorrect = (allpnorms == alllabels)
```

```
new_df=tfds.as_dataframe(test_dataset.take(number_of_images), metadata)
# new_df
new_df['predictions'] = allpreds[0:number_of_images]
new_df['pred_norm'] = allpnorms[0:number_of_images]
new_df['correct'] = allcorrect[0:number_of_images]
new_df
```

Out[2]:

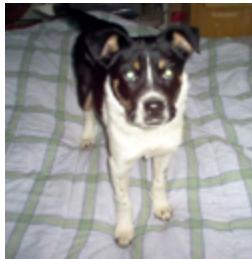
		image	label	predictions	pred norm	correct
0			1 (dog)	0.688788	1	True
1			0 (cat)	0.463511	0	True
2			1 (dog)	0.753269	1	True
3			1 (dog)	0.557541	1	True
4			1 (dog)	0.857560	1	True
5			1 (dog)	0.995816	1	True
6			0 (cat)	0.571067	1	False

		image	label	predictions	pred norm	correct
7			1 (dog)	0.966877	1	True
8			1 (dog)	0.433635	0	False
9			0 (cat)	0.422620	0	True
10			0 (cat)	0.510106	1	False
11			1 (dog)	0.675318	1	True
12			1 (dog)	0.867310	1	True
13			1 (dog)	0.484583	0	False

		image	label	predictions	pred norm	correct
14			1 (dog)	0.956983	1	True
15			1 (dog)	0.731783	1	True
16			0 (cat)	0.592057	1	False
17			1 (dog)	0.808914	1	True
18			1 (dog)	0.587537	1	True
19			1 (dog)	0.965425	1	True

		image	label	predictions	pred norm	correct
20			0 (cat)	0.842272	1	False
21			0 (cat)	0.418712	0	True
22			1 (dog)	0.522889	1	True
23			1 (dog)	0.671119	1	True
24			0 (cat)	0.942518	1	False
25			1 (dog)	0.494964	0	False
26			0 (cat)	0.558616	1	False

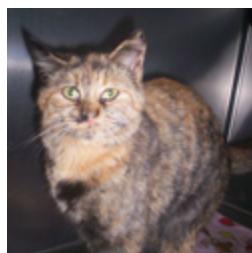
		image	label	predictions	pred norm	correct
27			1 (dog)	0.563398	1	True
28			1 (dog)	0.798554	1	True
29			1 (dog)	0.326188	0	False
30			0 (cat)	0.536388	1	False
31			1 (dog)	0.684828	1	True
32			0 (cat)	0.203227	0	True
33			0 (cat)	0.586459	1	False

		image	label	predictions	pred norm	correct
34			0 (cat)	0.422850	0	True
35			1 (dog)	0.965300	1	True
36			1 (dog)	0.565950	1	True
37			0 (cat)	0.467287	0	True
38			0 (cat)	0.357651	0	True
39			0 (cat)	0.376463	0	True
40			1 (dog)	0.783512	1	True

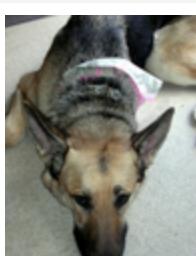
		image	label	predictions	pred norm	correct
41			1 (dog)	0.349694	0	False
42			1 (dog)	0.935531	1	True
43			0 (cat)	0.568461	1	False
44			0 (cat)	0.452892	0	True
45			1 (dog)	0.528030	1	True
46			1 (dog)	0.664599	1	True
47			0 (cat)	0.040232	0	True

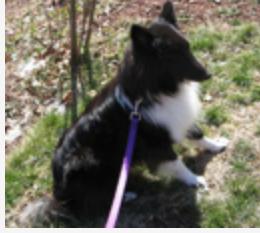
		image	label	predictions	pred norm	correct
48			1 (dog)	0.942055	1	True
49			1 (dog)	0.989655	1	True
50			1 (dog)	0.225270	0	False
51			0 (cat)	0.168767	0	True
52			0 (cat)	0.184916	0	True
53			0 (cat)	0.331849	0	True
54			0 (cat)	0.576584	1	False

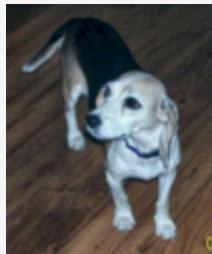
		image	label	predictions	pred norm	correct
55			1 (dog)	0.853759	1	True
56			1 (dog)	0.745076	1	True
57			1 (dog)	0.640841	1	True
58			0 (cat)	0.127496	0	True
59			0 (cat)	0.658817	1	False
60			0 (cat)	0.414686	0	True
61			1 (dog)	0.702998	1	True

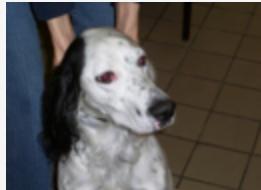
		image	label	predictions	pred norm	correct
62			0 (cat)	0.428438	0	True
63			1 (dog)	0.568214	1	True
64			0 (cat)	0.734005	1	False
65			0 (cat)	0.183051	0	True
66			0 (cat)	0.530290	1	False
67			1 (dog)	0.550203	1	True
68			0 (cat)	0.462313	0	True

		image	label	predictions	pred norm	correct
69			1 (dog)	0.618264	1	True
70			1 (dog)	0.421393	0	False
71			0 (cat)	0.109134	0	True
72			1 (dog)	0.941822	1	True
73			0 (cat)	0.569712	1	False
74			1 (dog)	0.720347	1	True
75			0 (cat)	0.132677	0	True

		image	label	predictions	pred norm	correct
76			1 (dog)	0.666635	1	True
77			1 (dog)	0.960267	1	True
78			0 (cat)	0.261311	0	True
79			1 (dog)	0.568628	1	True
80			1 (dog)	0.523346	1	True
81			1 (dog)	0.311612	0	False
82			0 (cat)	0.267605	0	True

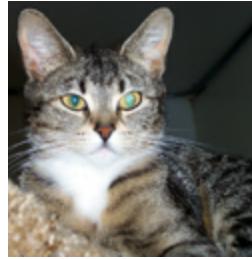
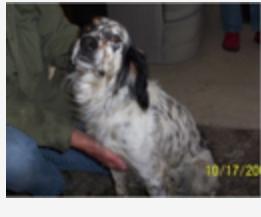
		image	label	predictions	pred norm	correct
83			0 (cat)	0.214302	0	True
84			0 (cat)	0.266004	0	True
85			1 (dog)	0.564987	1	True
86			1 (dog)	0.881618	1	True
87			0 (cat)	0.345962	0	True
88			0 (cat)	0.625051	1	False
89			0 (cat)	0.571242	1	False

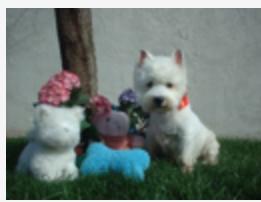
		image	label	predictions	pred norm	correct
90			1 (dog)	0.258621	0	False
91			0 (cat)	0.539536	1	False
92			0 (cat)	0.073661	0	True
93			1 (dog)	0.998464	1	True
94			0 (cat)	0.275316	0	True
95			1 (dog)	0.819784	1	True
96			0 (cat)	0.103997	0	True

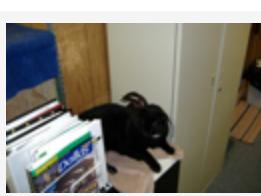
		image	label	predictions	pred norm	correct
97			0 (cat)	0.245707	0	True
98			0 (cat)	0.274021	0	True
99			1 (dog)	0.961722	1	True
100			1 (dog)	0.222238	0	False
101			0 (cat)	0.960689	1	False
102			0 (cat)	0.644125	1	False
103			1 (dog)	0.274401	0	False

		image	label	predictions	pred norm	correct
104			0 (cat)	0.334136	0	True
105			1 (dog)	0.570777	1	True
106			0 (cat)	0.645276	1	False
107			0 (cat)	0.110767	0	True
108			1 (dog)	0.683542	1	True
109			1 (dog)	0.432550	0	False

		image	label	predictions	pred norm	correct
110			0 (cat)	0.604806	1	False
111			0 (cat)	0.469388	0	True
112			1 (dog)	0.525920	1	True
113			0 (cat)	0.111980	0	True
114			1 (dog)	0.645740	1	True
115			0 (cat)	0.215818	0	True
116			0 (cat)	0.117657	0	True

		image	label	predictions	pred norm	correct
117			1 (dog)	0.970503	1	True
118			0 (cat)	0.044259	0	True
119			0 (cat)	0.217334	0	True
120			0 (cat)	0.325094	0	True
121			1 (dog)	0.587803	1	True
122			1 (dog)	0.483302	0	False
123			0 (cat)	0.623108	1	False

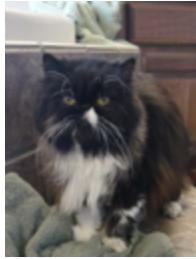
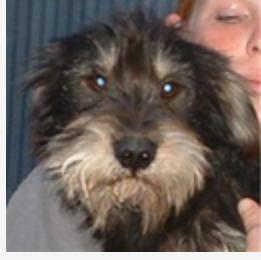
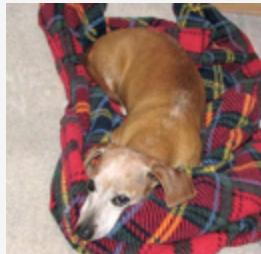
	image	label	predictions	pred norm	correct
124		0 (cat)	0.757024	1	False
125		1 (dog)	0.418842	0	False
126		0 (cat)	0.304262	0	True
127		1 (dog)	0.683711	1	True
128		0 (cat)	0.608382	1	False
129		0 (cat)	0.416762	0	True

		image	label	predictions	pred norm	correct
130			1 (dog)	0.472953	0	False
131			1 (dog)	0.862099	1	True
132			1 (dog)	0.729797	1	True
133			1 (dog)	0.479716	0	False
134			1 (dog)	0.913043	1	True
135			1 (dog)	0.484845	0	False

		image	label	predictions	pred norm	correct
136			1 (dog)	0.715824	1	True
137			1 (dog)	0.989954	1	True
138			1 (dog)	0.947650	1	True
139			1 (dog)	0.327397	0	False
140			1 (dog)	0.372330	0	False
141			0 (cat)	0.353519	0	True
142			0 (cat)	0.647624	1	False

		image	label	predictions	pred norm	correct
143			0 (cat)	0.070394	0	True
144			1 (dog)	0.963132	1	True
145			1 (dog)	0.961838	1	True
146			1 (dog)	0.635118	1	True
147			0 (cat)	0.586441	1	False
148			1 (dog)	0.888611	1	True
149			1 (dog)	0.824963	1	True
150			1 (dog)	0.594634	1	True

		image	label	predictions	pred norm	correct
151			1 (dog)	0.350248	0	False
152			1 (dog)	0.420061	0	False
153			0 (cat)	0.554500	1	False
154			1 (dog)	0.949666	1	True
155			1 (dog)	0.633488	1	True
156			0 (cat)	0.023686	0	True
157			0 (cat)	0.406189	0	True

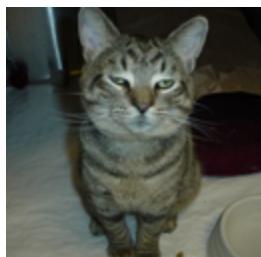
		image	label	predictions	pred norm	correct
158			1 (dog)	0.909008	1	True
159			0 (cat)	0.040951	0	True
160			0 (cat)	0.515758	1	False
161			1 (dog)	0.508998	1	True
162			0 (cat)	0.150502	0	True
163			0 (cat)	0.067224	0	True
164			0 (cat)	0.477688	0	True

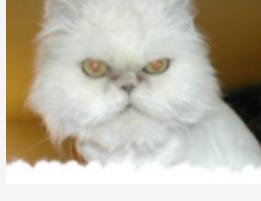
		image	label	predictions	pred norm	correct
165			1 (dog)	0.860099	1	True
166			1 (dog)	0.589586	1	True
167			0 (cat)	0.782877	1	False
168			0 (cat)	0.543506	1	False
169			0 (cat)	0.184783	0	True
170			1 (dog)	0.619530	1	True
171			0 (cat)	0.175720	0	True
172			0 (cat)	0.239655	0	True

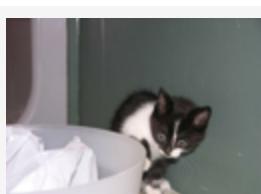
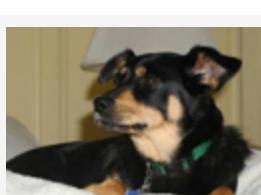
		image	label	predictions	pred norm	correct
173			1 (dog)	0.501466	1	True
174			0 (cat)	0.111077	0	True
175			0 (cat)	0.646222	1	False
176			0 (cat)	0.206726	0	True
177			0 (cat)	0.707747	1	False
178			0 (cat)	0.435223	0	True
179			1 (dog)	0.201843	0	False

		image	label	predictions	pred norm	correct
180			0 (cat)	0.194491	0	True
181			0 (cat)	0.554280	1	False
182			0 (cat)	0.369894	0	True
183			0 (cat)	0.141072	0	True
184			1 (dog)	0.959786	1	True
185			0 (cat)	0.422349	0	True
186			1 (dog)	0.886253	1	True

		image	label	predictions	pred norm	correct
187			1 (dog)	0.769867	1	True
188			1 (dog)	0.986749	1	True
189			0 (cat)	0.406429	0	True
190			1 (dog)	0.941260	1	True
191			0 (cat)	0.073154	0	True
192			0 (cat)	0.333189	0	True
193			1 (dog)	0.777735	1	True

		image	label	predictions	pred norm	correct
194			1 (dog)	0.686751	1	True
195			0 (cat)	0.318850	0	True
196			1 (dog)	0.813793	1	True
197			0 (cat)	0.294107	0	True
198			1 (dog)	0.818464	1	True
199			1 (dog)	0.973311	1	True
200			1 (dog)	0.816976	1	True

		image	label	predictions	pred norm	correct
201			0 (cat)	0.528446	1	False
202			1 (dog)	0.873664	1	True
203			0 (cat)	0.387276	0	True
204			1 (dog)	0.421539	0	False
205			0 (cat)	0.283754	0	True
206			0 (cat)	0.434833	0	True
207			0 (cat)	0.772870	1	False

		image	label	predictions	pred norm	correct
208			1 (dog)	0.928397	1	True
209			1 (dog)	0.946804	1	True
210			1 (dog)	0.994868	1	True
211			1 (dog)	0.998319	1	True
212			0 (cat)	0.301609	0	True
213			0 (cat)	0.242439	0	True
214			0 (cat)	0.119503	0	True

		image	label	predictions	pred norm	correct
215			0 (cat)	0.099622	0	True
216			1 (dog)	0.994889	1	True
217			1 (dog)	0.526587	1	True
218			0 (cat)	0.413248	0	True
219			0 (cat)	0.091749	0	True
220			1 (dog)	0.994769	1	True
221			1 (dog)	0.555422	1	True

		image	label	predictions	pred norm	correct
222			1 (dog)	0.728311	1	True
223			1 (dog)	0.814706	1	True
224			1 (dog)	0.533520	1	True
225			0 (cat)	0.053009	0	True
226			1 (dog)	0.475323	0	False
227			0 (cat)	0.336584	0	True
228			0 (cat)	0.070332	0	True

		image	label	predictions	pred norm	correct
229			0 (cat)	0.873075	1	False
230			0 (cat)	0.272616	0	True
231			1 (dog)	0.787487	1	True
232			0 (cat)	0.276509	0	True