Notebook

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Fork Notebook





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Datasets Description and Test Images display



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| Notebook | |
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```
In [1]:
# This Python 3 environment comes with many helpful ana
lytics libraries installed
# It is defined by the kaggle/python docker image: http
s://github.com/kaggle/docker-python
# For example, here's several helpful packages to load
in
import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.
g. pd.read_csv)
# Input data files are available in the "../input/" dir
ectory.
# For example, running this (by clicking run or pressin
g Shift+Enter) will list the files in the input directo
ry
import os
print(os.listdir("../input"))
# Any results you write to the current directory are sa
ved as output.
['classes-trainable.csv', 'train_human_la
bels.csv', 'stage_1_sample_submission.cs
v', 'stage_1_test_images', 'tuning_label
s.csv', 'stage_1_attributions.csv', 'trai
n_bounding_boxes.csv', 'class-description
s.csv', 'train_machine_labels.csv']
 In [2]:
os.listdir("../input")
 Out[2]:
['classes-trainable.csv',
 'train_human_labels.csv',
 'stage_1_sample_submission.csv',
 'stage_1_test_images',
 'tuning_labels.csv',
 'stage_1_attributions.csv',
 'train_bounding_boxes.csv',
 'class-descriptions.csv',
 'train_machine_labels.csv']
```

classes-trainable.csv

```
In [3]:

df_classes_trainable = pd.read_csv("../input/classes-t
rainable.csv")
```

```
In [4]:

df_classes_trainable.describe()
```

Out[4]:

| | label_code |
|--------|------------|
| count | 7178 |
| unique | 7178 |
| top | /m/02p0_8y |
| freq | 1 |

```
In [5]:

df_classes_trainable.head()
```

Out[5]:

| | label_code |
|---|-------------|
| 0 | /m/0108_09c |
| 1 | /m/010dmf |
| 2 | /m/010jjr |
| 3 | /m/010l12 |
| 4 | /m/010lq47b |

```
In [6]:

df_classes_trainable.shape

Out[6]:

(7178, 1)
```

train_human_labels.csv

```
In [7]:
```

df_train_human_labels = pd.read_csv("../input/train_hu
man_labels.csv")

In [8]:

df_train_human_labels.describe()

Out[8]:

| | Confidence |
|-------|------------|
| count | 8036466.0 |
| mean | 1.0 |
| std | 0.0 |
| min | 1.0 |
| 25% | 1.0 |
| 50% | 1.0 |
| 75% | 1.0 |
| max | 1.0 |

In [9]:

df_train_human_labels.head()

Out[9]:

| | ImageID | Source | LabelName | Confid |
|---|------------------|------------------------------|-----------|--------|
| 0 | 000002b66c9c498e | crowdsource- verification | /m/01kcnl | 1 |
| 1 | 000002b66c9c498e | verification | /m/012mj | 1 |
| 2 | 000002b66c9c498e | verification | /m/012yh1 | 1 |
| 3 | 000002b66c9c498e | verification | /m/014sv8 | 1 |
| 4 | 000002b66c9c498e | verification | /m/016c68 | 1 |
| 4 | | | | • |

In [10]:

```
df_train_human_labels.shape

Out[10]:
(8036466, 4)
```

stage_1_sample_submission.csv

```
In [11]:
```

```
df_stage_1_sample_submission = pd.read_csv("../input/s
tage_1_sample_submission.csv")
```

```
In [12]:
```

```
df_stage_1_sample_submission.describe()
```

Out[12]:

| | image_id | labels |
|--------|--------------------------|-------------------------|
| count | 32580 | 32580 |
| unique | 32580 | 1 |
| top | 6448715477394243764e673d | /m/0sgh53y /m/0g4cd0 |
| freq | 1 | 32580 |

```
In [13]:
```

```
df_stage_1_sample_submission.head()
```

Out[13]:

| | image_id | labels |
|---|--------------------------|----------------------|
| 0 | 2b2b327132556c767a736b3d | /m/0sgh53y /m/0g4cd0 |
| 1 | 2b2b394755692f303963553d | /m/0sgh53y /m/0g4cd0 |
| 2 | 2b2b42584e6d445937444d3d | /m/0sgh53y /m/0g4cd0 |
| 3 | 2b2b44744e57674270616f3d | /m/0sgh53y /m/0g4cd0 |
| 4 | 2b2b4b425a592b683059493d | /m/0sgh53y /m/0g4cd0 |

```
In [14]:
```

```
dt_stage_1_sample_submission.shape

Out[14]:
(32580, 2)
```

tuning_labels.csv

```
In [15]:

df_tuning_labels = pd.read_csv("../input/tuning_label
s.csv", header=None, names=['id', 'labels'])
```

In [16]:

```
df_tuning_labels.describe()
```

Out[16]:

| | id | labels |
|--------|--------------------------|----------|
| count | 1000 | 1000 |
| unique | 1000 | 673 |
| top | 593666474c4a41726b41343d | /m/05s2s |
| freq | 1 | 46 |

```
In [17]:

df_tuning_labels.head()
```

Out[17]:

| | id | labels |
|---|--------------------------|---|
| 0 | 2b2f44594449326f4e52553d | /m/06ts_6 /m/01g317 |
| 1 | 2b333057383432514454593d | /m/01g317 /m/06ts_6 /m/01jpn4 /m/0dnkv |
| 2 | 2b38364476612f6c4558383d | /m/01g317 /m/05zp8 |
| 3 | 2b4270756237642b7456453d | /m/0jjw /m/015r61 /m/02csf /m/05qdh |
| 4 | 2b4534307571444f412b4d3d | /m/099fz |

In [18]:

```
df_tuning_labels.shape

Out[18]:
(1000, 2)
```

stage_1_attributions.csv

```
In [19]:

df_stage_1_attributions = pd.read_csv("../input/stage_
1_attributions.csv")
```

In [20]:

```
df_stage_1_attributions.describe()
```

Out[20]:

| | image_id | source |
|--------|--------------------------|---------------|
| count | 32580 | 32580 |
| unique | 32580 | 1135 |
| top | 6448715477394243764e673d | HeeYoung Moon |
| freq | 1 | 1328 |

```
In [21]:
```

```
df_stage_1_attributions.head()
```

Out[21]:

| | image_id | source |
|---|--------------------------|------------------|
| 0 | 2b2b327132556c767a736b3d | Nita Ar |
| 1 | 2b2b394755692f303963553d | Sathya Esarapu |
| 2 | 2b2b42584e6d445937444d3d | Mustapha Oussfan |
| 3 | 2b2b44744e57674270616f3d | Mustapha Oussfan |
| 4 | 2b2b4b425a592b683059493d | 屈俊 |

In [22]:

```
aт_stage_ı_attributions.snape

Out[22]:
(32580, 2)
```

train_bounding_boxes.csv

```
In [23]:
```

```
df_train_bounding_boxes = pd.read_csv("../input/train_
bounding_boxes.csv")
```

```
In [24]:
```

```
df_train_bounding_boxes.describe()
```

Out[24]:

| | Confidence | XMin | XMax | YMin |
|-------|------------|--------------|--------------|--------|
| count | 14610229.0 | 1.461023e+07 | 1.461023e+07 | 1.4610 |
| mean | 1.0 | 4.021163e-01 | 5.945006e-01 | 3.9231 |
| std | 0.0 | 2.775938e-01 | 2.782700e-01 | 2.4253 |
| min | 1.0 | 0.000000e+00 | 6.250000e-04 | 0.0000 |
| 25% | 1.0 | 1.606250e-01 | 3.720700e-01 | 2.0450 |
| 50% | 1.0 | 3.900000e-01 | 6.050000e-01 | 3.8187 |
| 75% | 1.0 | 6.230190e-01 | 8.362500e-01 | 5.6660 |
| max | 1.0 | 9.993750e-01 | 1.000000e+00 | 9.9916 |
| 4 | | | | • |

```
In [25]:
```

```
df_train_bounding_boxes.head()
```

Out[25]:

| | ImageID | Source | LabelName | Confidence |
|---|------------------|--------|-----------|------------|
| 0 | 000002b66c9c498e | xclick | /m/01g317 | 1 |
| 1 | 000002b66c9c498e | xclick | /m/01g317 | 1 |
| 2 | 000002b66c9c498e | xclick | /m/01g317 | 1 |
| 3 | 000002b66c9c498e | xclick | /m/01g317 | 1 |
| 4 | 000002b66c9c498e | xclick | /m/01g317 | 1 |

```
In [26]:
```

```
{\tt df\_train\_bounding\_boxes.shape}
```

Out[26]:

(14610229, 13)

class-descriptions.csv

```
In [27]:
```

```
df_class_descriptions = pd.read_csv("../input/class-de
scriptions.csv")
```

In [28]:

```
df_class_descriptions.describe()
```

Out[28]:

| | label_code | description |
|--------|------------|-------------|
| count | 19987 | 19987 |
| unique | 19987 | 19704 |
| top | /m/02p0_8y | Trunk |
| freq | 1 | 4 |

In [29]:

```
{\tt df\_class\_descriptions.description}
```

Out[29]:

| Sprenger's tulip | 0 |
|---------------------|---|
| Vinegret | 1 |
| Dabu-dabu | 2 |
| Pistachio ice cream | 3 |
| Woku | 4 |
| Pastila | 5 |
| Burasa | 6 |
| Summer snowflake | 7 |
| A di remo di T | 0 |

Conservation-restoration

Throwing

19981

19982

10022

```
9/12/2018
                                             Datasets Description and Test Images display | Kaggle
     וטפפו
                                       иса паптта
     19984
                                             Brine
                            Lamborghini huracÃ;n
     19985
     19986
                                            Helmet
     Name: description, Length: 19987, dtype:
     object
     In [30]:
     df_class_descriptions.head()
      Out[30]:
```

| | label_code | description |
|---|-------------|---------------------|
| 0 | /m/0100nhbf | Sprenger's tulip |
| 1 | /m/0104x9kv | Vinegret |
| 2 | /m/0105jzwx | Dabu-dabu |
| 3 | /m/0105ld7g | Pistachio ice cream |
| 4 | /m/0105lxy5 | Woku |

```
In [31]:
df\_class\_descriptions.shape
Out[31]:
(19987, 2)
```

train_machine_labels.csv

```
In [32]:
df_train_machine_labels = pd.read_csv("../input/train_
machine_labels.csv")
```

```
In [33]:
df_train_machine_labels.describe()
Out[33]:
```

| | Confidence |
|-------|--------------|
| count | 1.525919e+07 |
| mean | 7 3012370-01 |

| IIICaII | /.UU1ZU/E U1 |
|---------|--------------|
| std | 1.418151e-01 |
| min | 5.000000e-01 |
| 25% | 6.000000e-01 |
| 50% | 7.000000e-01 |
| 75% | 8.000000e-01 |
| max | 1.000000e+00 |

```
In [34]:
```

```
df_train_machine_labels.head()
```

Out[34]:

| | ImageID | Source | LabelName | Confidence |
|---|------------------|---------|------------|------------|
| 0 | 000002b66c9c498e | machine | /m/05_4_ | 0.7 |
| 1 | 000002b66c9c498e | machine | /m/0krfg | 0.7 |
| 2 | 000002b66c9c498e | machine | /m/01kcnl | 0.5 |
| 3 | 000002b97e5471a0 | machine | /m/05_5t0l | 0.9 |
| 4 | 000002b97e5471a0 | machine | /m/0cgh4 | 0.8 |
| 4 | | | | |

```
In [35]:
```

```
{\tt df\_train\_machine\_labels.shape}
```

Out[35]:

(15259186, 4)

Display some Test Images

```
In [36]:
```

```
import cv2
from matplotlib import pyplot as plt
%matplotlib inline

m_labels = df_tuning_labels.labels.str.split().tolist
()
#print(m_labels)
# get the descriptions and translate
```

```
map_label_to_des = dict(zip(df_class_descriptions.labe
1_code.values, df_class_descriptions.description.value
s))
num_of_imgs = 16
des_labels = []
for i in np.arange(num_of_imgs):
    j = [map_label_to_des.get(item, item) for item in
m_labels[i]]
    des_labels.append(j)
# pull images and plot
img_list = ['../input/stage_1_test_images/{}.jpg'.form
at(id_) for id_ in df_tuning_labels.id.values]
fig, ax = plt.subplots()
fig.set_size_inches(25, 25)
ax.set_axis_off()
for n, (image, label) in enumerate(zip(img_list, des_l
abels)):
    a = fig.add_subplot(num_of_imgs//4, num_of_imgs//4
, n+1)
    img = cv2.imread(image, 1)
    img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
    plt.axis('off')
    plt.title(label, fontsize=15)
    plt.imshow(img)
```



```
In [37]:
count = pd.DataFrame(df_tuning_labels['labels'].str.sp
lit().apply(lambda x: len(x)))
```

| | print(| count) |
|-------|-------------|---|
| | 1 | abels |
| | 0 | 2 |
| | 1 | 4 |
| | 2 | 2 |
| | 3 | 4 |
| | 4 | 1 |
| | 5 | 9 |
| | 6 | 3 |
| | 7 | 1 |
| | 8 | 2 |
| | 9 | _ 1 |
| | 10 | 5 |
| | 11 | 2 |
| | 12 | 2 |
| | 13 | 1 |
| | 14 | 4 |
| | 15 | 3 |
| | 16 | 4 |
| | 17 | 2 |
| | 18 | 2 |
| | 19 | 5 |
| | 20 | 2 |
| | 21 | 2 |
| | 22 | 4 |
| | 23 | 1 |
| | 24 | 3 |
| | 25 | 3 |
| | 26 | 2 |
| | 27 | _ 1 |
| | 28 | 4 |
| | 29 | 1 |
| | | |
| | 970 | 2 |
| | 971 | 2 |
| | 972 | 1 |
| | 973 | 1 |
| | 974 | 2 |
| | 975 | 3 |
| | 976 | 1 |
| | 977 | 1 |
| | 978 | 1 |
| | 979 | 2 |
| | 980 | 3 |
| | 981 | 2 |
| | 982 | 4 |
| | 983 | 2 |
| | 984 | 6 |
| httne | ·//www.kaga | le com/rezwan249/datasets-description-and-test-images-display |

```
985
           5
           3
986
           1
987
988
           4
989
990
           1
991
           3
992
993
           3
           4
994
995
           3
           2
996
997
           1
998
           2
999
           3
```

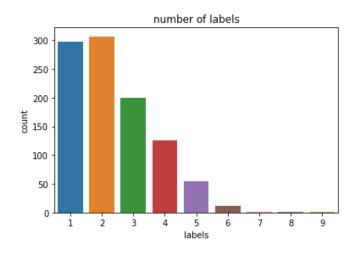
[1000 rows x 1 columns]

```
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline

sns.countplot(data=count, x='labels')
plt.title("number of labels")
```

Out[38]:

Text(0.5,1,'number of labels')



```
In [39]:

# tmp = df_tuning_labels[count['labels'] > 7]
# tmp['labels'].apply(lambda x: x.split()).values
```

Images with more than 7 labels

```
In [40]:
## make a dictionary file
d=\{\}
for i,j in zip(df_class_descriptions.label_code.values
, df_class_descriptions.description.values):
    d[i]=i
In [41]:
d
Out[41]:
{'/m/0100nhbf': "Sprenger's tulip",
 '/m/0104x9kv': 'Vinegret',
 '/m/0105jzwx': 'Dabu-dabu',
 '/m/0105ld7g': 'Pistachio ice cream',
 '/m/0105lxy5': 'Woku',
 '/m/0105n86x': 'Pastila',
 '/m/0105ts35': 'Burasa',
 '/m/0108_09c': 'Summer snowflake',
 '/m/01_097': 'Airmail',
 '/m/010dmf': 'Isle of man tt',
 '/m/010jjr': 'Amusement park',
 '/m/010112': 'Roller coaster',
 '/m/010lq47b': 'Witch hat',
 '/m/010ls_cv': 'Sandwich Cookies',
 '/m/01_0wf': 'Common Nighthawk',
 '/m/010xc': 'Aspartame',
 '/m/01127': 'Air conditioning',
 '/m/01_12b': 'Granny smith',
 '/m/0114n': 'Atari jaguar',
 '/m/01154': 'Atari lynx',
 '/m/011_6p': 'Kazoo',
 '/m/0117_25k': 'Saffron crocus',
 '/m/01172_8x': 'Pencil skirt',
 '/m/0117wzjg': 'Zenvo ST',
 '/m/0117z': 'Air show',
 '/m/0118b5n4': 'May day',
 '/m/0118ms9c': 'Reflex camera',
 '/m/0118n_9r': 'Water bottle',
 '/m/0118n_nl': 'Unleavened bread',
 '/m/0118q29r': 'Ides of march',
```

```
'/m/01195jk4': 'Jean short',
 '/m/0119x1zy': 'Bun',
 '/m/0119x27p': 'Cocker spaniel',
 '/m/011b3pkg': 'Giant freshwater stingra
у',
 '/m/011b986k': 'Rockhopper penguin',
 '/m/011bc8hg': 'Camomile',
 '/m/011bfkzx': 'Beaglier',
 '/m/011_dp': 'Membranophone',
 '/m/011_f4': 'String instrument',
 '/m/011_g9': 'Wind instrument',
 '/m/011j2w': 'Shuriken',
 '/m/011jbn': 'Gourd',
 '/m/011jng': 'Fiber',
 '/m/011jxn': 'Lasagne',
 '/m/011k07': 'Tortoise',
 '/m/011k_j': 'Timpani',
 '/m/01111': 'Afghan hound',
 '/m/011178': 'Team',
 '/m/01119w': 'Lard',
 '/m/011_lb': 'Vespa',
 '/m/011lf0ff': 'Mardi Gras',
 '/m/011lh': 'Azawakh',
 '/m/011ljn': 'Velvet',
 '/m/011lqk': 'Porter',
 '/m/011lx': 'Acrylic paint',
 '/m/011_my': 'Idiophone',
 '/m/011q3451': 'Madrean Alligator Lizar
ď,
 '/m/011q46kg': 'Container',
 '/m/011s0': 'Advertising',
 '/m/011v5tq3': 'Media player',
 '/m/011vvm': 'Isthmus',
 '/m/011x96': 'Groundhog day',
 '/m/011xdj': 'Meringue',
 '/m/011xn7': 'Laser diode',
 '/m/011_xr': 'Azalea',
 '/m/011xyw': 'Peanut butter and jelly sa
ndwich',
 '/m/011xz6': 'Acura',
 '/m/011y23': 'Stained glass',
 '/m/011yvr': 'Plantation',
 '/m/011zhg': 'Citroën sm',
 '/m/012015': 'Stone tool',
 '/m/012047': 'Narcissus',
 '/m/01205h': 'Ferret',
 '/m/012074': 'Magpie',
 '/m/0120dh': 'Sea turtle',
 '/m/0121d8': 'Historic house',
```

```
'/m/0121tl': 'Electronic instrument',
 '/m/0121ww': 'Leprechaun',
 '/m/01224j': 'Hearth',
 '/m/01224x': 'Sparkling wine',
 '/m/01226z': 'Football',
 '/m/0122b5': 'Newsprint',
 '/m/01_2_2': 'Northrop t-38 talon',
 '/m/0123gb': 'Egret',
 '/m/01240d': 'Tuber',
 '/m/01244y': 'Salting',
 '/m/01245r': 'Raclette',
 '/m/0124h9': 'Poinsettia',
 '/m/0125ct': 'Vacuum flask',
 '/m/0125ny': 'Lake district',
 '/m/0125vz': 'Tears',
 '/m/0125zxmr': "National sovereignty and
children's day",
 '/m/01261z_4': 'Cliff jumping',
 '/m/0126gc': 'Reindeer',
 '/m/012757': 'Fluorescent lamp',
 '/m/0127jv': 'Beardtongue',
 '/m/0127_k': 'Spark plug',
 '/m/0127n5': 'Mussel',
 '/m/01280g': 'Wildlife',
 '/m/01295w': 'Galliformes',
 '/m/0129f4': 'Chemical compound',
 '/m/0129nn': 'Rook',
 '/m/012b4l': 'Projectile',
 '/m/012blf': 'Icelandic sheepdog',
 '/m/012c3y': 'Succotash',
 '/m/012c4n': 'Cucurbita',
 '/m/012c9l': 'Domestic short-haired ca
ť,
 '/m/012cc2': 'Russian blue',
 '/m/012ckm': 'Bonfire',
'/m/012clv': 'Lepidopterist',
 '/m/012crnhf': 'Sheep milk cheese',
 '/m/012d_c': 'Blacksmith',
 '/m/012f08': 'Motor vehicle',
 '/m/012fqz': 'Ocarina',
 '/m/012fyw': 'Air gun',
 '/m/012gxj': 'Gazelle',
 '/m/012h24': 'Comics',
 '/m/012hvb': 'Corset',
 '/m/01_2jf': 'Nettle family',
 '/m/012jg5': 'Manx',
 '/m/012jgm': 'Cymric',
 '/m/012jh9': 'Scottish fold',
 '/m/012jj1': 'Oceanic trench',
```

```
'/m/012k5z': 'Munchkin',
 '/m/012k6q': 'Ocicat',
 '/m/012kcmdn': 'Pyronia',
 '/m/012lk9': 'Player piano',
 '/m/012lnv': 'Himalayan',
 '/m/012lr2': 'Devon rex',
 '/m/012ltm': 'Birman',
 '/m/012m_1nb': 'Poker primrose',
 '/m/012m2gkh': 'Chequered skipper',
 '/m/012m47': 'Chinese new year',
 '/m/012mc7bq': 'Dr. Manhattan',
 '/m/012mj': 'Alcoholic beverage',
 '/m/012mpq': 'Gouda cheese',
 '/m/012mq4': 'Sports car',
 '/m/012mqx': 'Iceberg',
 '/m/012ms7': 'Osprey',
 '/m/012n4x': 'Firefighter',
 '/m/012n7d': 'Ambulance',
 '/m/012n91': 'Emergency service',
 '/m/012nd2': 'Hospital ship',
 '/m/012ndj': 'Fire apparatus',
 '/m/012pld': 'Sex toy',
 '/m/012q9c': 'Bodyguard',
 '/m/012qcd': 'Swat',
 '/m/012qdp': 'Military officer',
 '/m/012q_x': 'Coast guard',
 '/m/012qyb': 'Barber',
 '/m/012r819z': 'Aphantopus',
 '/m/012rq8': 'Treasure',
 '/m/012rvq': 'Reconnaissance',
 '/m/012s89': 'Ford pinto',
 '/m/012sbd': 'Tournament',
 '/m/012shk': 'Seabird',
 '/m/012svh': 'Red envelope',
 '/m/012tq3': 'Republic p-47 thunderbol
t',
 '/m/012t_z': 'Businessperson',
 '/m/012v4j': 'Hiking',
 '/m/012v6r': 'Sikorsky sh-3 sea king',
 '/m/012v8q': 'Bog',
 '/m/012vt9': 'Flautist',
 '/m/012vtp': 'Oboist',
 '/m/012vv0': 'Violist',
 '/m/012vzz': 'Plant pathology',
 '/m/012w5l': 'Ladder',
 '/m/012wds': 'Schutzhund',
 '/m/012wfx': 'Camshaft',
 '/m/012ww9': 'Archaeological site',
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 '/m/01940j': 'Backpack',
 '/m/01943w': 'Ibis',
 '/m/0194d': 'Badminton',
 '/m/0194pv': 'Ivy family',
 '/m/0194v4': 'Singing sand',
 '/m/0195fx': 'Metro',
 '/m/0195rf': 'Vauxhall motors',
 '/m/0195tx': 'Thrush',
 '/m/019600': 'Spoonbill',
 '/m/01960s': 'Deadpool',
 '/m/0196s4': 'Landscape architect',
 '/m/019780': 'Traffic circle',
 '/m/0197mw': 'Blackbird',
 '/m/0197qd': 'Triggerfish',
 '/m/01987_': 'Home automation',
 '/m/0198cs': 'Extreme ironing',
 '/m/0199b0': 'Safari',
 '/m/0199g': 'Bicycle',
 '/m/019b80': 'Sweater',
 '/m/019bfk': 'Drooling',
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'/m/019brn': 'Dreadlocks',
 '/m/019c0x': 'Balafon',
 '/m/019c3t': 'Wool classing',
 '/m/019cfy': 'Stadium',
 '/m/019cpb': 'Mikoyan mig-29',
 '/m/019ctc': 'Galleon',
 '/m/019ctw': 'Sunday roast',
 '/m/019dx1': 'Home appliance',
 '/m/019dxh': 'Rabbits and Hares',
 '/m/019f1p': 'Zante currant',
 '/m/019f38': 'Pigs in blankets',
 '/m/019fpj': 'Diwali',
 '/m/019frm': 'T-72',
 '/m/019fs3': 'Sinkhole',
 '/m/019fwx': 'Douglas dc-8',
 '/m/019fyk': 'Raft',
 '/m/019gvf': 'Fluvial landforms of strea
 '/m/019h78': 'Centipede',
 '/m/019jd': 'Boat',
 '/m/019jmv': 'Messerschmitt bf 109',
 '/m/019jw': 'Blood',
 '/m/019jx0': 'First-rate',
 '/m/019ktg': 'Dodge Viper',
 '/m/019ldr': 'Spanakopita',
 '/m/019lzv': 'Ballistic missile submarin
e',
 '/m/019mbd': 'Antenna',
 '/m/019mk7': 'Campfire',
 '/m/019mn6': 'Egyptian vulture',
 '/m/019nj4': 'Smile',
 '/m/019_nn': 'Friendship',
 '/m/019pbk': 'Hoverfly',
 '/m/019pht': 'Mustard seed',
 '/m/019plg': 'Shopping cart',
 '/m/019qnn': 'Lotus elise',
 '/m/019qw9': 'Convertible',
 '/m/019rjn': 'Futsal',
 '/m/019rwt': 'Irish whiskey',
 '/m/019sc6': 'Lighting',
 '/m/019sc': 'Black',
 '/m/019swr': 'Knee',
 '/m/019t3g': 'Hydrogen vehicle',
 '/m/019t5_': 'Light cruiser',
 '/m/019t6d': 'Animal fat',
 '/m/019tql': 'Flagship',
 '/m/019tzd': 'Mountain biking',
 '/m/019tzr': 'Coffin',
 '/m/019v72': 'Shakuhachi',
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'/m/019v_8': 'Lotus elite',
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'/m/019vj1': 'Pasty',
'/m/019v__': 'Tvr',
'/m/019w40': 'Surfboard',
'/m/019w5g': 'Calisthenics',
'/m/019w6h': 'Exercise',
'/m/019w9j': 'Rhythmic gymnastics',
'/m/019ww6': 'Harness racing',
'/m/019x4f': 'Carpenter',
'/m/019x8g': 'Sheepdog trial',
'/m/019xd': 'Battleship',
'/m/019xdq': 'Sourdough',
'/m/019y2n': 'Crwth',
'/m/019yc': 'Battlecruiser',
'/m/019yv2': 'Fire sprinkler system',
'/m/019zgx': 'Volkswagen scirocco',
'/m/01b02_': 'Burbot',
'/m/01b2q6': 'Sunrise',
'/m/01b2w5': 'Sunset',
'/m/01b30l': 'Organist',
'/m/01b3kg': 'Dawn',
'/m/01b317': 'Dusk',
'/m/01b41j': 'Arsenal',
'/m/01b480': 'Drainage basin',
'/m/01b4k8': 'Mandarin orange',
'/m/01b4q9': 'Social group',
'/m/01b503': 'Jeu de paume',
'/m/01b57x': 'Trampolining',
'/m/01b5dy': 'Jade',
'/m/01b5gr': 'Para table tennis',
'/m/01b5r_': "Women's football",
'/m/01b5w1': 'Machine tool',
'/m/01b638': 'Boot',
'/m/01b6qt': 'Pantyhose',
'/m/01b7b1': 'Kitesurfing',
'/m/01b7b': 'Bishop',
'/m/01b7fy': 'Headphones',
'/m/01b7rp': 'Oil lamp',
'/m/01b7zv': 'Pudding',
'/m/01b82r': 'Saw',
'/m/01b87f': 'Cd player',
'/m/01b92': 'Bone',
'/m/01b93z': 'Harvestmen',
'/m/01b958': 'Scaffolding',
'/m/01b9_9': 'Wireless access point',
'/m/01b9n4': 'Torii',
'/m/01b9sh': 'Vegetable oil',
'/m/01b9xk': 'Hot dog',
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'/m/01bb6j': 'Shovel',
'/m/01bb9b': 'Motorcycle helmet',
'/m/01bbvg': 'Star anise',
'/m/01b_cr': 'Paisley',
'/m/01bdg': 'Bouldering',
'/m/01bdy': 'Bowling',
'/m/01bf_1': 'Oatmeal',
'/m/01bfm9': 'Shorts',
'/m/01bfqc': 'Margarine',
'/m/01bfqw': 'Cornmeal',
'/m/01bfr_': 'Baking powder',
'/m/01bfwv': 'Mixing console',
'/m/01bg4m': 'Asafoetida',
'/m/01bg5t': 'Coneflower',
'/m/01bg6m': 'Ginger ale',
'/m/01bg7s': 'Water well',
'/m/01bgd_': 'Chutney',
'/m/01bgl6': 'Purim',
'/m/01bgsw': 'Toddler',
'/m/01bhhn': 'Nail clipper',
'/m/01bhms': 'Holy week',
'/m/01_bhs': 'Fast food',
'/m/01bjjm': 'Boeing b-47 stratojet',
'/m/01bjv': 'Bus',
'/m/01bjxj': 'Edible mushroom',
'/m/01bjxx': 'Camera lens',
'/m/01b_12': 'Cardigan',
'/m/01bl2r': 'Oyakodon',
'/m/01blkn': 'Bullfighting',
'/m/01blmn': 'Turkey Vulture',
'/m/01bmhj': 'Thumb',
'/m/01bms0': 'Screwdriver',
'/m/01bnqx': 'Absolut vodka',
'/m/01bns_': 'Zither',
'/m/01bp2v': 'Allspice',
'/m/01bp38': 'Garam masala',
'/m/01bp4g': 'Fines herbes',
'/m/01bp4w': 'Lemongrass',
'/m/01bq4': 'Boeing 767',
'/m/01bq8v': 'Troop',
'/m/01bqd2': 'Sheng',
'/m/01bqgn': 'Bicycle frame',
'/m/01bqk0': 'Bicycle wheel',
'/m/01bqq_': 'Belted Kingfisher',
'/m/01bq_': 'Utility knife',
'/m/01bqvp': 'Sky',
'/m/01bqwh': 'Mist',
'/m/01brf': 'Bronze',
'/m/01bs7h': 'Trident',
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'/m/01bsxb': 'Collage',
 '/m/01bsyy': 'Derailleur gears',
 '/m/01btbt': 'Pecan',
 '/m/01btfg': 'Flash',
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 '/m/01btn': 'Barge',
 '/m/01btp4': 'Black billed Magpie',
 '/m/01btr0': 'Eurasian magpie',
 '/m/01bvgh': 'Catamaran',
 '/m/01bvtk': 'Crocodilia',
 '/m/01bvx': 'Battle',
 '/m/01bw2t': 'Lamborghini murciÃ@lago',
 '/m/01bw9x': 'Electrician',
 '/m/01bwb9': 'House sparrow',
 '/m/01bwr': 'Botany',
 '/m/01bx0g': 'Lamborghini diablo',
 '/m/01bx84': 'Ring-necked pheasant',
 '/m/01b_xd': 'Bumblebee',
 '/m/01bz53': 'Kaffir lime',
 '/m/01bz6q': 'Urtica',
 '/m/01bzmc': 'Meatball',
 '/m/01c004': 'Sand Martin',
 '/m/01c08f': 'Rock dove',
 '/m/01c09k': 'Stock dove',
 '/m/01c0fs': 'Disposable camera',
 '/m/01c0lb': 'Cynara',
 '/m/01c_01': 'Ducks, geese and swans',
 '/m/01c0z': 'Battery',
 '/m/01c1g2': 'Red winged Blackbird',
 '/m/01c1t2': 'Canyoning',
 '/m/01c2f2': 'Ski binding',
 '/m/01c2vn': 'Elderberry',
 '/m/01c34b': 'Flooring',
 '/m/01c35v': 'General practitioner',
 '/m/01c3q': 'Bassoon',
 '/m/01c3xv': 'Heavy cruiser',
 '/m/01c421': 'Museum ship',
 '/m/01c43w': 'Crane',
 '/m/01c45y': 'Leavening agent',
 '/m/01c46': 'Boeing b-52 stratofortres
s',
 '/m/01c4ct': 'Northern Grey Shrike',
 '/m/01c4dl': 'Ball bearing',
 '/m/01c4kr': 'Crane-like bird',
 '/m/01c4r0': 'Canning',
 '/m/01c4rd': 'Beak',
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 '/m/01c53d': 'Gerbil',
 '/m/01c53w': 'Chinchilla',
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'/m/01c5nc': 'Waldort salad',
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 '/m/01c6xf': 'Drinking water',
 '/m/01c6yl': 'Spire',
 '/m/01c72': 'North american b-25 mitchel
1',
 '/m/01c72t': 'Composer',
 '/m/01c778': 'Slum',
 '/m/01c791': 'Freezing',
 '/m/01c7cq': 'Grassland',
 '/m/01c7d3': 'Savanna',
 '/m/01c7xk': 'Train conductor',
 '/m/01c80k': 'Snow goose',
 '/m/01c8br': 'Street',
 '/m/01c8w0': 'Conductor',
 '/m/01c979': 'Designer',
 '/m/01c_9j': 'Quarry',
 '/m/01cbb3': 'Beet',
 '/m/01cbzq': 'Rock',
 '/m/01cch6': 'Potato salad',
 '/m/01cct5': 'Snipe',
 '/m/01cd9': 'Brand',
 '/m/01_cf6': 'Harvester',
 '/m/01cfkh': 'Remora',
 '/m/01cgz': 'Boxing',
 '/m/01chb8': 'Nowruz',
 '/m/01chy': 'Bowls',
 '/m/01cj38': 'Northern Harrier',
 '/m/01cjsf': 'Kite',
 '/m/01ck7x': 'Budgie',
 '/m/01ckgp': 'Interaction',
 '/m/01cmb2': 'Miniskirt',
 '/m/01cmcs': 'Hatchback',
 '/m/01cmft': 'Spotting scope',
 '/m/01cmm2': 'Monocular',
 '/m/01cndb': 'Stationery',
 '/m/01cnz': 'Birth control',
 '/m/01cp1t': 'Douglas Aircraft Company',
```

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