dataset2-preprocessing

March 21, 2025

verify dataset EDA

[4]:
```
# Printing the content of the main dataset directory
print("Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/
  ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9:")
!ls /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary_Thyroid_Cancer.
  ↪v1i.yolov9

# Printing the content of the validation directory
print("\nListing contents of /kaggle/input/d/mgopich/dataset2-papillary/
  ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9/valid:")
!ls /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary_Thyroid_Cancer.
  ↪v1i.yolov9/valid

# Printing the content of the train directory
print("\nListing contents of /kaggle/input/d/mgopich/dataset2-papillary/
  ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9/train:")
!ls /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary_Thyroid_Cancer.
  ↪v1i.yolov9/train

# Printing the content of the test directory
print("\nListing contents of /kaggle/input/d/mgopich/dataset2-papillary/
  ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9/test:")
!ls /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary_Thyroid_Cancer.
  ↪v1i.yolov9/test

# Printing the content of the test images directory
print("\nListing contents of /kaggle/input/d/mgopich/dataset2-papillary/
  ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9/test/images:")
!ls /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary_Thyroid_Cancer.
  ↪v1i.yolov9/test/images

# Printing the content of the test labels directory
print("\nListing contents of /kaggle/input/d/mgopich/dataset2-papillary/
  ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9/test/labels:")
!ls /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary_Thyroid_Cancer.
  ↪v1i.yolov9/test/labels
```

```
Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary
_Thyroid_Cancer.v1i.yolov9:
data.yaml  test  train  valid

Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary
_Thyroid_Cancer.v1i.yolov9/valid:
images  labels

Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary
_Thyroid_Cancer.v1i.yolov9/train:
images  labels

Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary
_Thyroid_Cancer.v1i.yolov9/test:
images  labels

Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary
_Thyroid_Cancer.v1i.yolov9/test/images:
20231129_182321_jpeg.rf.749c4199b69cf8e462d80e243d0de6bb.jpg
20231129_182509_jpeg.rf.370cf4756c29995894101151f1fd6b98.jpg
334506-svs-screenshot-1708477202947_png.rf.eae6d3be4a668e4664984fea9bea3691.jpg
334506-svs-screenshot-1708477208165_png.rf.3e7969080f064229b4124ad90e33394b.jpg
44525-svs-screenshot-1708479050324_png.rf.8fa025d394332ed7cbc5f62240c4f65b.jpg
8463-svs-screenshot-1708477577060_png.rf.b9cd3abc14181eb7153ba5e95d643d4d.jpg
adaptiveimage-resize-702-404_jpg.rf.a82af6533af62e67370477ac59dcfb45.jpg
Capture5_JPG.rf.c7fb16448c10829c591a631987663190.jpg
IMG_6835_jpeg.rf.64cdbfdaf47326d62437e326f6a2ff57.jpg
IMG_7862_png.rf.c464254cad20955932f26a7dbca00619.jpg
IMG_7863_png.rf.80f4630e66d0b142f3866810e7925c2a.jpg
istockphoto-494132888-1024x1024_jpg.rf.9f8971e9e9e0606888bf9c5778ddb91d.jpg

Listing contents of /kaggle/input/d/mgopich/dataset2-papillary/Classic_Papillary
_Thyroid_Cancer.v1i.yolov9/test/labels:
20231129_182321_jpeg.rf.749c4199b69cf8e462d80e243d0de6bb.txt
20231129_182509_jpeg.rf.370cf4756c29995894101151f1fd6b98.txt
334506-svs-screenshot-1708477202947_png.rf.eae6d3be4a668e4664984fea9bea3691.txt
334506-svs-screenshot-1708477208165_png.rf.3e7969080f064229b4124ad90e33394b.txt
44525-svs-screenshot-1708479050324_png.rf.8fa025d394332ed7cbc5f62240c4f65b.txt
8463-svs-screenshot-1708477577060_png.rf.b9cd3abc14181eb7153ba5e95d643d4d.txt
adaptiveimage-resize-702-404_jpg.rf.a82af6533af62e67370477ac59dcfb45.txt
Capture5_JPG.rf.c7fb16448c10829c591a631987663190.txt
IMG_6835_jpeg.rf.64cdbfdaf47326d62437e326f6a2ff57.txt
IMG_7862_png.rf.c464254cad20955932f26a7dbca00619.txt
IMG_7863_png.rf.80f4630e66d0b142f3866810e7925c2a.txt
istockphoto-494132888-1024x1024_jpg.rf.9f8971e9e9e0606888bf9c5778ddb91d.txt
```

1. Dataset Overview

1. Basic Dataset Structure

- The dataset is structured into three splits: train, valid, and test.
- For each split, the script:Lists the number of images (JPEG files) in the images folder.
- Lists the number of label files (TXT files) in the labels folder.Computes the number of images that are missing a corresponding label.

3. Label Distribution Analysis

- The report next analyzes the distribution of labels in the training set.
- It does so by:Loading the dataset configuration file (data.yaml),
- which contains class names.Counting the occurrence of each class in the training labels.Visualizing the class distribution using a bar chart.

4. Sample Image Visualization

- A function plot_sample_image is provided to randomly select and visualize an image from a specified folder along with its bounding boxes (if available).
- For each selected image:The function reads the image and its corresponding label file.It draws bounding boxes using coordinates derived from YOLO format annotations.
- The image is then displayed with class labels overlaid.

5. Corrupt Image Check

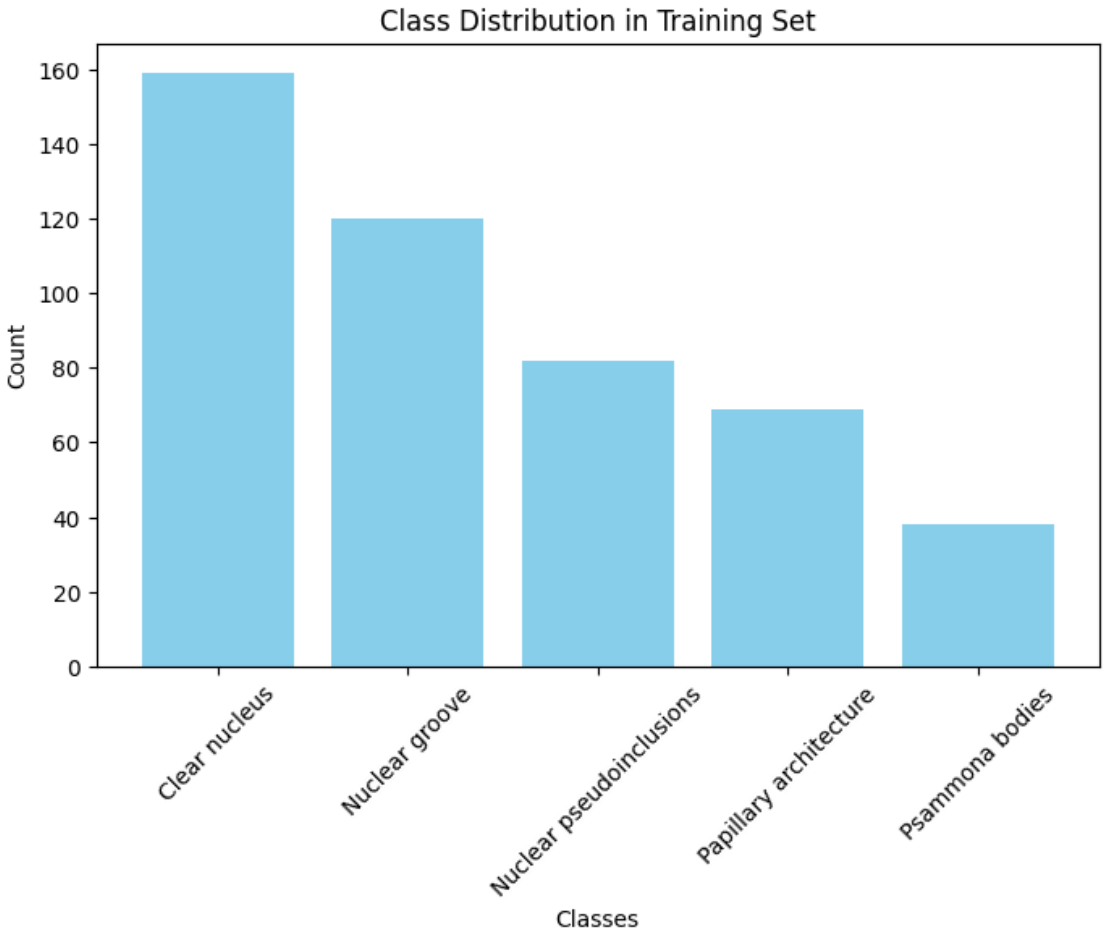
- To ensure data quality, the code includes a function to check for any corrupt images in the training set.
- The function:Iterates over each JPEG file in the specified folder.Uses the PIL library to attempt to open and verify the image.
- Prints out the number and names of any images that cannot be opened.

[6]:
```
import os
import yaml
import random
import cv2
import matplotlib.pyplot as plt
from PIL import Image

# Set Dataset2 base path (update with your Dataset2 path)
dataset2_path = "/kaggle/input/d/mgopich/dataset2-papillary/
 ↪Classic_Papillary_Thyroid_Cancer.v1i.yolov9"
splits = ["train", "valid", "test"]

# 1.1 Basic Dataset Overview
for split in splits:
    image_dir = os.path.join(dataset2_path, split, "images")
    label_dir = os.path.join(dataset2_path, split, "labels")
    num_images = len([f for f in os.listdir(image_dir) if f.endswith(".jpg")])
    num_labels = len([f for f in os.listdir(label_dir) if f.endswith(".txt")])
```

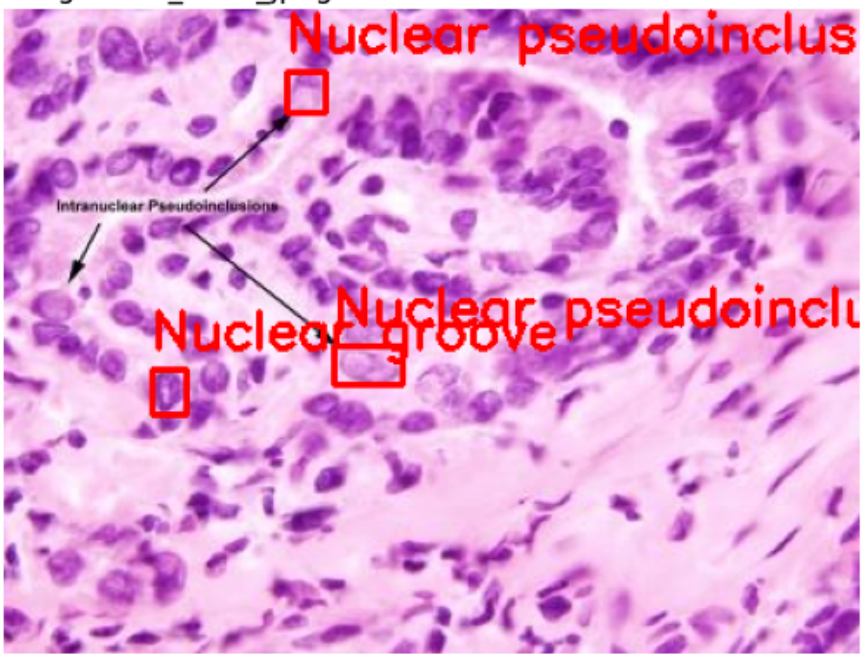
```
    print(f"{split.upper()} SET:")
    print(f"  Images: {num_images}")
    print(f"  Labels: {num_labels}")
    print(f"  Missing labels: {num_images - num_labels}\n")

# 1.2 Label Distribution Analysis
yaml_path = os.path.join(dataset2_path, "data.yaml")
with open(yaml_path, 'r') as f:
    data_yaml = yaml.safe_load(f)
class_names = data_yaml["names"]

# Count occurrences in training set
class_counts = {i: 0 for i in range(len(class_names))}
train_label_dir = os.path.join(dataset2_path, "train", "labels")
for label_file in os.listdir(train_label_dir):
    with open(os.path.join(train_label_dir, label_file), "r") as f:
        for line in f.readlines():
            class_id = int(line.split()[0])
            class_counts[class_id] += 1

plt.figure(figsize=(8,5))
plt.bar(class_names, list(class_counts.values()), color="skyblue")
plt.xlabel("Classes")
plt.ylabel("Count")
plt.title("Class Distribution in Training Set")
plt.xticks(rotation=45)
plt.show()

# 1.3 Sample Image Visualization
def plot_sample_image(image_folder, label_folder):
    image_files = [f for f in os.listdir(image_folder) if f.endswith(".jpg")]
    random_image = random.choice(image_files)
    img_path = os.path.join(image_folder, random_image)
    label_path = os.path.join(label_folder, random_image.replace('.jpg', '.
 ↪txt'))
    img = cv2.imread(img_path)
    img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
    h, w, _ = img.shape
    if os.path.exists(label_path):
        with open(label_path, "r") as f:
            for line in f.readlines():
                class_id, x_center, y_center, width, height = map(float, line.
 ↪strip().split())
                xmin, ymin = int((x_center - width / 2) * w), int((y_center -␣
 ↪height / 2) * h)
                xmax, ymax = int((x_center + width / 2) * w), int((y_center +␣
 ↪height / 2) * h)
```

```
                cv2.rectangle(img, (xmin, ymin), (xmax, ymax), (255, 0, 0), 2)
                cv2.putText(img, class_names[int(class_id)], (xmin, ymin - 10),
                            cv2.FONT_HERSHEY_SIMPLEX, 0.8, (255, 0, 0), 2)
    plt.imshow(img)
    plt.axis("off")
    plt.title(f"Sample Image: {random_image}")
    plt.show()

plot_sample_image(os.path.join(dataset2_path, "train", "images"),
                  os.path.join(dataset2_path, "train", "labels"))

# 1.4 Check for Corrupt Images (in train set as an example)
def check_corrupt_images(image_folder):
    corrupted_files = []
    for file in os.listdir(image_folder):
        if file.endswith(".jpg"):
            img_path = os.path.join(image_folder, file)
            try:
                img = Image.open(img_path)
                img.verify()
            except Exception as e:
                corrupted_files.append(file)
    print(f"Corrupt Images: {len(corrupted_files)}")
    if corrupted_files:
        print(corrupted_files)

check_corrupt_images(os.path.join(dataset2_path, "train", "images"))
```

```
TRAIN SET:
  Images: 97
  Labels: 97
  Missing labels: 0

VALID SET:
  Images: 28
  Labels: 28
  Missing labels: 0

TEST SET:
  Images: 12
  Labels: 12
  Missing labels: 0
```


Class Distribution in Training Set
Count
0
20
40
60
80
100
120
140
160
Clear nucleus
Nuclear groove
Nuclear pseudoinclusions
Papillary architecture
Psammona bodies
Classes

Sample Image: IMG_6903_jpeg.rf.fe428426d8a37061f7e349b35ecf12f6.jpg




```
Corrupt Images: 0
```

Preprocessing

This cell processes the raw Dataset2 for papillary thyroid cancer by performing the following steps:

1. Dataset Splitting:
   - The dataset is divided into three splits: train, valid, and test.
2. Image Preprocessing:
   - Each image is resized to 640x640 pixels and normalized to have pixel values in the range [0, 1].
   - The processed images are then saved in a new directory structure.
3. Label Preservation:
   - Corresponding label files (in YOLO format) are copied unchanged from the raw dataset to the processed dataset.
4. Directory Structure:
   - The processed data is stored under data/processed/dataset2, mirroring the original splits.

[7]:
```
import os
import cv2
from pathlib import Path
```

```
import shutil

# Set paths for Dataset2
raw_base = Path(dataset2_path)
processed_base = Path("data/processed/dataset2")  # Final processed dataset for␣
 ↪Dataset2
splits = ["train", "valid", "test"]
TARGET_SIZE = (640, 640)

def preprocess_image(image_path, target_size=TARGET_SIZE):
    img = cv2.imread(str(image_path))
    if img is None:
        print(f"Warning: Unable to read {image_path}")
        return None
    img = cv2.resize(img, target_size)
    img_norm = img.astype("float32") / 255.0
    return img_norm

for split in splits:
    raw_img_dir = raw_base / split / "images"
    raw_label_dir = raw_base / split / "labels"
    proc_img_dir = processed_base / split / "images"
    proc_label_dir = processed_base / split / "labels"
    proc_img_dir.mkdir(parents=True, exist_ok=True)
    proc_label_dir.mkdir(parents=True, exist_ok=True)

    for img_file in raw_img_dir.glob("*.jpg"):
        processed_img = preprocess_image(img_file)
        if processed_img is not None:
            output_path = proc_img_dir / img_file.name
            cv2.imwrite(str(output_path), (processed_img * 255).astype("uint8"))

    for label_file in raw_label_dir.glob("*.txt"):
        target_file = proc_label_dir / label_file.name
        shutil.copy(label_file, target_file)

    print(f"Preprocessing for {split} split of Dataset2 completed.")

print("All splits for Dataset2 have been preprocessed and saved to",␣
 ↪processed_base)
```

```
Preprocessing for train split of Dataset2 completed.
Preprocessing for valid split of Dataset2 completed.
Preprocessing for test split of Dataset2 completed.
All splits for Dataset2 have been preprocessed and saved to
data/processed/dataset2
```

Training Data Augmentation

This cell performs data augmentation on the training split of Dataset2. The main objectives of this process are:

1. Augmentation Pipeline:

   An augmentation pipeline is applied to each image using Albumentations. The pipeline includes:

- Horizontal flip
- Rotation (with a limit of 20°)
- Random brightness and contrast adjustment
- Gaussian blur
- Gaussian noise addition
- Bounding Box Handling:

  The code uses YOLO format bounding box annotations. Each bounding box is processed and then clipped to ensure all coordinate values remain within the [0.0, 1.0] range.

2. Directory Structure:

   - Augmented images and their corresponding labels are saved in a new directory structure (train_aug/images and train_aug/labels), separate from the original training data.

3. Output:

   - For every image in the training set:

The image is augmented. Augmented image files are saved with a prefix aug_. The corresponding label files (with updated bounding box coordinates) are written to the designated folder.

[10]:
```
import cv2
import os
import albumentations as A
from pathlib import Path

# Define the base directory for processed training data.
# Update the path with your processed_base directory.
processed_base = Path("/path/to/processed_base")

# Directories for processed training data
proc_train_img_dir = processed_base / "train" / "images"
proc_train_label_dir = processed_base / "train" / "labels"

# Directories for augmented training data
aug_train_img_dir = processed_base / "train_aug" / "images"
aug_train_label_dir = processed_base / "train_aug" / "labels"
aug_train_img_dir.mkdir(parents=True, exist_ok=True)
aug_train_label_dir.mkdir(parents=True, exist_ok=True)
```

```
# Augmentation pipeline (YOLO format)
transform = A.Compose([
    A.HorizontalFlip(p=0.5),
    A.Rotate(limit=20, p=0.5),
    A.RandomBrightnessContrast(p=0.3),
    A.GaussianBlur(blur_limit=(3, 7), p=0.3),
    A.GaussNoise(var_limit=(10.0, 50.0), p=0.3),
], bbox_params=A.BboxParams(format="yolo", label_fields=["category_ids"]))

def clip_bbox(bbox):
    """
    Clips each value in the bbox (YOLO format: x_center, y_center, width,␣
 ↪height)
    to the range [0.0, 1.0].
    """
    return [max(0.0, min(val, 1.0)) for val in bbox]

def augment_image_and_labels(image_path, label_path, transform):
    image = cv2.imread(str(image_path))
    h, w, _ = image.shape
    bboxes = []
    category_ids = []
    if os.path.exists(label_path):
        with open(label_path, "r") as f:
            for line in f.readlines():
                parts = line.strip().split()
                if len(parts) == 5:
                    class_id, x_center, y_center, width, height = map(float,␣
 ↪parts)
                    bboxes.append([x_center, y_center, width, height])
                    category_ids.append(int(class_id))
    transformed = transform(image=image, bboxes=bboxes,␣
 ↪category_ids=category_ids)
    aug_image = transformed["image"]
    aug_bboxes = transformed["bboxes"]
    aug_category_ids = transformed["category_ids"]
    # Clip bounding boxes to ensure values are within [0, 1]
    aug_bboxes = [clip_bbox(bbox) for bbox in aug_bboxes]
    return aug_image, aug_bboxes, aug_category_ids

# Process each image in the training images directory
for img_file in proc_train_img_dir.glob("*.jpg"):
    label_file = proc_train_label_dir / img_file.with_suffix(".txt").name
    aug_img, aug_bboxes, aug_cat_ids = augment_image_and_labels(img_file,␣
 ↪label_file, transform)

    # Convert image to BGR for saving with cv2.imwrite
```

```
    aug_img_bgr = cv2.cvtColor(aug_img, cv2.COLOR_RGB2BGR)
    output_img_path = aug_train_img_dir / f"aug_{img_file.name}"
    cv2.imwrite(str(output_img_path), aug_img_bgr)

    output_label_path = aug_train_label_dir / f"aug_{img_file.with_suffix('.
 ↪txt').name}"
    with open(output_label_path, "w") as f:
        for cid, bbox in zip(aug_cat_ids, aug_bboxes):
            line = f"{cid} " + " ".join(f"{v:.6f}" for v in bbox) + "\n"
            f.write(line)

print("Augmentation for Dataset2 training split completed. Augmented data saved␣
 ↪to", aug_train_img_dir)
```

```
Augmentation for Dataset2 training split completed. Augmented data saved to
/path/to/processed_base/train_aug/images
```

Export Processed Dataset for Download

Once the dataset has been preprocessed and augmented, we need to compress it into a ZIP file for easy download. The following steps will:

1. Compress the dataset into a ZIP archive.
2. Generate a downloadable link so you can retrieve the processed dataset.

[12]:
```
!ls /kaggle/working/data/processed/dataset2
```

```
test  train  train_aug  valid
```

[13]:
```
# Zip the processed Dataset2 directory into a file named processed_dataset2.zip
!zip -r processed_dataset2.zip /kaggle/working/data/processed/dataset2

# Create a download link for the zipped file
from IPython.display import FileLink
FileLink(r'processed_dataset2.zip')
```

```
  adding: kaggle/working/data/processed/dataset2/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/test/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/test/labels/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/test/labels/IMG_6835_jpeg.rf.64
cdbfdaf47326d62437e326f6a2ff57.txt (deflated 58%)
  adding: kaggle/working/data/processed/dataset2/test/labels/20231129_182321_jpe
g.rf.749c4199b69cf8e462d80e243d0de6bb.txt (deflated 65%)
  adding: kaggle/working/data/processed/dataset2/test/labels/44525-svs-
screenshot-1708479050324_png.rf.8fa025d394332ed7cbc5f62240c4f65b.txt (deflated
44%)
  adding: kaggle/working/data/processed/dataset2/test/labels/334506-svs-
screenshot-1708477202947_png.rf.eae6d3be4a668e4664984fea9bea3691.txt (deflated
34%)
```

```
  adding: kaggle/working/data/processed/dataset2/test/labels/Capture5_JPG.rf.c7f
b16448c10829c591a631987663190.txt (deflated 29%)
  adding: kaggle/working/data/processed/dataset2/test/labels/20231129_182509_jpe
g.rf.370cf4756c29995894101151f1fd6b98.txt (deflated 68%)
  adding: kaggle/working/data/processed/dataset2/test/labels/334506-svs-
screenshot-1708477208165_png.rf.3e7969080f064229b4124ad90e33394b.txt (deflated
36%)
  adding: kaggle/working/data/processed/dataset2/test/labels/adaptiveimage-
resize-702-404_jpg.rf.a82af6533af62e67370477ac59dcfb45.txt (deflated 61%)
  adding: kaggle/working/data/processed/dataset2/test/labels/IMG_7863_png.rf.80f
4630e66d0b142f3866810e7925c2a.txt (deflated 60%)
  adding: kaggle/working/data/processed/dataset2/test/labels/IMG_7862_png.rf.c46
4254cad20955932f26a7dbca00619.txt (deflated 61%)
  adding: kaggle/working/data/processed/dataset2/test/labels/istockphoto-4941328
88-1024x1024_jpg.rf.9f8971e9e9e0606888bf9c5778ddb91d.txt (deflated 61%)
  adding: kaggle/working/data/processed/dataset2/test/labels/8463-svs-
screenshot-1708477577060_png.rf.b9cd3abc14181eb7153ba5e95d643d4d.txt (deflated
54%)
  adding: kaggle/working/data/processed/dataset2/test/images/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/adaptiveimage-
resize-702-404_jpg.rf.a82af6533af62e67370477ac59dcfb45.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/test/images/Capture5_JPG.rf.c7f
b16448c10829c591a631987663190.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/IMG_7862_png.rf.c46
4254cad20955932f26a7dbca00619.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/20231129_182509_jpe
g.rf.370cf4756c29995894101151f1fd6b98.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/test/images/IMG_6835_jpeg.rf.64
cdbfdaf47326d62437e326f6a2ff57.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/334506-svs-
screenshot-1708477208165_png.rf.3e7969080f064229b4124ad90e33394b.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/test/images/istockphoto-4941328
88-1024x1024_jpg.rf.9f8971e9e9e0606888bf9c5778ddb91d.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/IMG_7863_png.rf.80f
4630e66d0b142f3866810e7925c2a.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/20231129_182321_jpe
g.rf.749c4199b69cf8e462d80e243d0de6bb.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/test/images/44525-svs-
screenshot-1708479050324_png.rf.8fa025d394332ed7cbc5f62240c4f65b.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/test/images/334506-svs-
screenshot-1708477202947_png.rf.eae6d3be4a668e4664984fea9bea3691.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/test/images/8463-svs-
screenshot-1708477577060_png.rf.b9cd3abc14181eb7153ba5e95d643d4d.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/ (stored 0%)
```

```
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7849_j
peg.rf.b3c658e6c62b229f7abd2ab276806680.txt (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_6875_j
peg.rf.cf72d4d385cb8e8bb2f17f3d14dfc93f.txt (deflated 51%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_Capture2_J
PG.rf.589ad982ec05e0d56ad47080d321956b.txt (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_A-and-B-
Papillary-thyroid-carcinoma-oncocytic-variant-A-The-neoplastic-cells-
show_png.rf.57460f3ce94d2ce14be89a0f0553655f.txt (deflated 10%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708477796786_png.rf.7d95447917322ce0235814511b9499b9.txt (deflated
10%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7842_j
peg.rf.465e0492a1f6cd29dd8450e1becad736.txt (deflated 59%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_6881_j
peg.rf.3869ac559a67fa41c876942a2af6e663.txt (deflated 44%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708479313383_png.rf.560e96657b73cbca106186fd971d1eba.txt (deflated
15%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/labels/aug_119287-svs-
screenshot-1708479859401_png.rf.5698a0e60b2f595c8fc269472961ccbe.txt (deflated
13%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_6835_j
peg.rf.4f564e0a4939ed782045f623f5627a56.txt (deflated 61%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/labels/aug_334550-svs-
screenshot-1708622711258_png.rf.2f3d0da7f05ad60b58177518f3ac66b9.txt (deflated
52%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708478421845_png.rf.87d63b7e96b07c4b6018290899489614.txt (deflated
8%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/labels/aug_334550-svs-
screenshot-1708622641843_png.rf.f29298011a9866cfcd04673a3c75f867.txt (deflated
39%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_6870_j
peg.rf.f8361ecdc467d1df0388ef157fa59d5a.txt (deflated 64%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708478825384_png.rf.1f4b3e1006de7e85edf09d346dd9e41d.txt (deflated
8%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7864_j
peg.rf.ae584a5936c04b3f305641e2d33b8369.txt (deflated 10%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_Thyroid_pa
pillary_carcinoma_histopathology_-4-_jpg.rf.d0a5d75100b891b49cc63b197dbc8797.txt
(deflated 8%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
```

```
screenshot-1708478874808_png.rf.6644e5eda2c43840d13d7d4313086b26.txt (deflated
8%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708478074679_png.rf.d288552b4762444f5a27543ff3fd287f.txt (deflated
13%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7853_j
peg.rf.8e7ecda78ab3c75a011d846e46cbab0e.txt (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_6837_j
peg.rf.42b9e19a1a61b45a336ec17e01096462.txt (deflated 59%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7845_j
peg.rf.6f8e61d23f022887e287397e25061a66.txt (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7852_j
peg.rf.6bb9507bc42de0731c373a3c6224d45b.txt (deflated 8%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_thyroidpap
illaryBychkov10_jpg.rf.dec6c4ee536cbd05e5b55d9d399ea4f9.txt (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_20231129_1
82205_jpeg.rf.e1546407672f06e0c460d9900f98149d.txt (deflated 39%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_maxresdefa
ult_jpg.rf.3aa57aae3a288895b8f9ec807f8f272a.txt (deflated 47%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708477964664_png.rf.a47c09081ce10c2093743b6ca7ac4cde.txt (deflated
10%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_44525-svs-
screenshot-1708478911671_png.rf.2df27e42576cee061ab8de2bc58a871b.txt (deflated
41%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/labels/aug_334506-svs-
screenshot-1708477257251_png.rf.1d8a9e675bc3d6e34ef8808e9d90cec7.txt (deflated
8%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_7844_j
peg.rf.6b0ff4428afcd6093f2076c3dd3eae98.txt (deflated 44%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_Capture4_J
PG.rf.98110c4523ec2d3abacd57f62f8823aa.txt (deflated 50%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_8ynZlArV8X
iN0RnIYTBLeA_jpg.rf.0f9c774f9c1babc2770abe2d08602817.txt (deflated 13%)
  adding: kaggle/working/data/processed/dataset2/train_aug/labels/aug_IMG_6894_p
ng.rf.6cafff79508fc0202e57079b6bb7952f.txt (deflated 45%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
screenshot-1708478911671_png.rf.2df27e42576cee061ab8de2bc58a871b.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_6837_j
peg.rf.42b9e19a1a61b45a336ec17e01096462.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_6881_j
peg.rf.3869ac559a67fa41c876942a2af6e663.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_6894_p
ng.rf.6cafff79508fc0202e57079b6bb7952f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
```

```
screenshot-1708477964664_png.rf.a47c09081ce10c2093743b6ca7ac4cde.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_Capture4_J
PG.rf.98110c4523ec2d3abacd57f62f8823aa.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
screenshot-1708477796786_png.rf.7d95447917322ce0235814511b9499b9.jpg (deflated
0%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/images/aug_119287-svs-
screenshot-1708479859401_png.rf.5698a0e60b2f595c8fc269472961ccbe.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_8ynZlArV8X
iN0RnIYTBLeA_jpg.rf.0f9c774f9c1babc2770abe2d08602817.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_6835_j
peg.rf.4f564e0a4939ed782045f623f5627a56.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7842_j
peg.rf.465e0492a1f6cd29dd8450e1becad736.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
screenshot-1708479313383_png.rf.560e96657b73cbca106186fd971d1eba.jpg (deflated
1%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7864_j
peg.rf.ae584a5936c04b3f305641e2d33b8369.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_20231129_1
82205_jpeg.rf.e1546407672f06e0c460d9900f98149d.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7852_j
peg.rf.6bb9507bc42de0731c373a3c6224d45b.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_6870_j
peg.rf.f8361ecdc467d1df0388ef157fa59d5a.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
screenshot-1708478074679_png.rf.d288552b4762444f5a27543ff3fd287f.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
screenshot-1708478825384_png.rf.1f4b3e1006de7e85edf09d346dd9e41d.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_6875_j
peg.rf.cf72d4d385cb8e8bb2f17f3d14dfc93f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_Thyroid_pa
pillary_carcinoma_histopathology_-4-_jpg.rf.d0a5d75100b891b49cc63b197dbc8797.jpg
(deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_Capture2_J
PG.rf.589ad982ec05e0d56ad47080d321956b.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7853_j
peg.rf.8e7ecda78ab3c75a011d846e46cbab0e.jpg (deflated 0%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/images/aug_334550-svs-
screenshot-1708622641843_png.rf.f29298011a9866cfcd04673a3c75f867.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
```

```
screenshot-1708478421845_png.rf.87d63b7e96b07c4b6018290899489614.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7849_j
peg.rf.b3c658e6c62b229f7abd2ab276806680.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7845_j
peg.rf.6f8e61d23f022887e287397e25061a66.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_44525-svs-
screenshot-1708478874808_png.rf.6644e5eda2c43840d13d7d4313086b26.jpg (deflated
0%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/images/aug_334506-svs-
screenshot-1708477257251_png.rf.1d8a9e675bc3d6e34ef8808e9d90cec7.jpg (deflated
1%)
  adding:
kaggle/working/data/processed/dataset2/train_aug/images/aug_334550-svs-
screenshot-1708622711258_png.rf.2f3d0da7f05ad60b58177518f3ac66b9.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_A-and-B-
Papillary-thyroid-carcinoma-oncocytic-variant-A-The-neoplastic-cells-
show_png.rf.57460f3ce94d2ce14be89a0f0553655f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_IMG_7844_j
peg.rf.6b0ff4428afcd6093f2076c3dd3eae98.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_thyroidpap
illaryBychkov10_jpg.rf.dec6c4ee536cbd05e5b55d9d399ea4f9.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train_aug/images/aug_maxresdefa
ult_jpg.rf.3aa57aae3a288895b8f9ec807f8f272a.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train/labels/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7851_jpeg.rf.1
12d4bfb70cf6371d7afe5d090bf85a8.txt (deflated 58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478911671_png.rf.2df27e42576cee061ab8de2bc58a871b.txt (deflated
54%)
  adding: kaggle/working/data/processed/dataset2/train/labels/119287-svs-
screenshot-1708479623163_png.rf.85dcef8f7f89753fdff248f1c2e12425.txt (deflated
63%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6843_jpeg.rf.0
a12fbf9e324b08db078eb10c06e456c.txt (deflated 63%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334550-svs-
screenshot-1708622676031_png.rf.54974a674c504268cb4fb8cf18241811.txt (deflated
60%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Capture2_JPG.rf.58
9ad982ec05e0d56ad47080d321956b.txt (deflated 56%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7860_jpeg.rf.b
e29b8ae9b4708c05961a1c6ef8f7641.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7852_jpeg.rf.6
bb9507bc42de0731c373a3c6224d45b.txt (deflated 32%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Capture_JPG.rf.797
```

```
00dada346660ff5b0e221f28e444b.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6890_png.rf.0e
258e429654b69cbc00d57c7d60052c.txt (deflated 58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708479223128_png.rf.f7c45066c6b7ae6f5c495142d3dfdb22.txt (deflated
30%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6878_jpeg.rf.3
aa41c1c407fd12d33cb9cab9f4cc273.txt (deflated 37%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7854_jpeg.rf.7
f99a6c6c41538f5fd9192012b68c19c.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/119287-svs-
screenshot-1708479859401_png.rf.5698a0e60b2f595c8fc269472961ccbe.txt (deflated
30%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7864_jpeg.rf.a
e584a5936c04b3f305641e2d33b8369.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7855_jpeg.rf.b
8777a851bbb13882609c6fd6f86a8ce.txt (deflated 67%)
  adding: kaggle/working/data/processed/dataset2/train/labels/20231129_182237_jp
eg.rf.2a7eb0a1f2a4079532789d236ac4017d.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6875_jpeg.rf.c
f72d4d385cb8e8bb2f17f3d14dfc93f.txt (deflated 51%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7842_jpeg.rf.4
65e0492a1f6cd29dd8450e1becad736.txt (deflated 67%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7844_jpeg.rf.6
b0ff4428afcd6093f2076c3dd3eae98.txt (deflated 58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6963_jpeg.rf.5
5e5a0ceedea51a3393ccfbe0ea72588.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/8463-svs-
screenshot-1708477607733_png.rf.358a7726fde95dce897ae30e1e2e9e45.txt (deflated
49%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334506-svs-
screenshot-1708477196154_png.rf.d48df99d4450f3df8d260359a1d50f34.txt (deflated
24%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Thyroid_papillary_
carcinoma_histopathology_-4-_jpg.rf.d0a5d75100b891b49cc63b197dbc8797.txt
(deflated 17%)
  adding: kaggle/working/data/processed/dataset2/train/labels/thyroidpapillaryBy
chkov10_jpg.rf.dec6c4ee536cbd05e5b55d9d399ea4f9.txt (deflated 59%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334506-svs-
screenshot-1708477148817_png.rf.e48172161c89a51a4d0bc9296992333f.txt (deflated
46%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478074679_png.rf.d288552b4762444f5a27543ff3fd287f.txt (deflated
32%)
  adding: kaggle/working/data/processed/dataset2/train/labels/20231129_182356_jp
eg.rf.fc7554b0c11e75725a982f22fc189349.txt (deflated 42%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334506-svs-
screenshot-1708477099536_png.rf.05fa3a8c376a1e9fcc79bb765d921fa6.txt (deflated
```

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25%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334550-svs-
screenshot-1708622711258_png.rf.2f3d0da7f05ad60b58177518f3ac66b9.txt (deflated
58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/A-and-B-Papillary-
thyroid-carcinoma-oncocytic-variant-A-The-neoplastic-cells-
show_png.rf.57460f3ce94d2ce14be89a0f0553655f.txt (deflated 59%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Medullary_thyroid_
carcinoma_-_high_mag_jpg.rf.4b93c4619530e4c89220e5e6ab9ec5a5.txt (deflated 27%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6874_jpeg.rf.e
87265f54a94b31fd751aba5928ced45.txt (deflated 61%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Dy5RfveV4AMm_aW_jp
g.rf.e25997eab83b97a8f8867ff37d2f19e1.txt (deflated 52%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7867_jpeg.rf.c
29a3402457e8dc4c83816586481af3b.txt (deflated 75%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6838_jpeg.rf.c
2d7035eed8a3372fcc70aa378f17170.txt (deflated 71%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Capture8_JPG.rf.1b
ada8b111223916a1421cb446df64dd.txt (deflated 30%)
  adding: kaggle/working/data/processed/dataset2/train/labels/thyroidpapillaryBy
chkov16_jpg.rf.02390d1e62db2cb3976bd0d725ecffed.txt (deflated 76%)
  adding: kaggle/working/data/processed/dataset2/train/labels/119287-svs-
screenshot-1708480053459_png.rf.950cff45cabd0a2f0655e5813d060301.txt (deflated
26%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6893_jpeg.rf.7
1161117c8863ffc514370b35db2189d.txt (deflated 65%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6891_png.rf.da
d99cea495394dd2cf0be716cc9e32f.txt (deflated 58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6862_jpeg.rf.e
02e7984922f5c2b85c9807eb6f340ac.txt (deflated 60%)
  adding: kaggle/working/data/processed/dataset2/train/labels/maxresdefault_jpg.
rf.3aa57aae3a288895b8f9ec807f8f272a.txt (deflated 48%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6881_jpeg.rf.3
869ac559a67fa41c876942a2af6e663.txt (deflated 48%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708477796786_png.rf.7d95447917322ce0235814511b9499b9.txt (deflated
32%)
  adding: kaggle/working/data/processed/dataset2/train/labels/1000_F_281980701_N
5dQ1LNCMq4uILRqqVF7G3R8RdkXjDHw_jpg.rf.7abb07cf71079deb461a64bc0e5b5650.txt
(deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/20231129_182205_jp
eg.rf.e1546407672f06e0c460d9900f98149d.txt (deflated 60%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7856_jpeg.rf.1
1412b94f9cbea0c4aa29b8fad6709ba.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7849_jpeg.rf.b
3c658e6c62b229f7abd2ab276806680.txt (deflated 55%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7865_jpeg.rf.c
f58951c27916b53f5376f810071ecb9.txt (deflated 62%)
```

```
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708479313383_png.rf.560e96657b73cbca106186fd971d1eba.txt (deflated
34%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6837_jpeg.rf.4
2b9e19a1a61b45a336ec17e01096462.txt (deflated 59%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6904_jpeg.rf.9
9a610014fc4f8a8663ba60b3a829e4a.txt (deflated 19%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478825384_png.rf.1f4b3e1006de7e85edf09d346dd9e41d.txt (deflated
34%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7846_png.rf.5c
51ef6ab3045f3f4b91bfaacdec28ab.txt (deflated 70%)
  adding: kaggle/working/data/processed/dataset2/train/labels/8ynZlArV8XiN0RnIYT
BLeA_jpg.rf.0f9c774f9c1babc2770abe2d08602817.txt (deflated 75%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Thyroid_papillary_
carcinoma_histopathology_-3-_jpg.rf.8ccd37fb269623a990753661e4df2ca6.txt
(deflated 58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6888_jpeg.rf.3
d8448e2e2aa7600526a7b171c5dcdc3.txt (deflated 52%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6894_png.rf.6c
afff79508fc0202e57079b6bb7952f.txt (deflated 52%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478392132_png.rf.a0899bdc7a2c86c74e49a33f669b9472.txt (deflated
44%)
  adding: kaggle/working/data/processed/dataset2/train/labels/8463-svs-
screenshot-1708477627292_png.rf.5a910d4676176970e3482ece659afd2b.txt (deflated
52%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Papillary-
adenocarcinoma-with-optically-clear-nuclei-Orphan-Annie-
nuclei-A-125-1-_png.rf.ed514a8ab46c0a7b0c57269932055dee.txt (deflated 50%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7866_png.rf.d0
63f14614c94778de396f65a05f90e4.txt (deflated 63%)
  adding: kaggle/working/data/processed/dataset2/train/labels/41379_2011_Article
_BFmodpathol2010129_Fig4_HTML_jpg.rf.2d48ff937746af8e6e62aa267d5baa26.txt
(deflated 55%)
  adding: kaggle/working/data/processed/dataset2/train/labels/19-Figure2-1_png.r
f.266fe69d91ec0588bd846f10f36abdd4.txt (deflated 73%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6835_jpeg.rf.4
f564e0a4939ed782045f623f5627a56.txt (deflated 63%)
  adding: kaggle/working/data/processed/dataset2/train/labels/20231129_182014_jp
eg.rf.280b1d07042be577a648e4792014c3f6.txt (deflated 66%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6903_jpeg.rf.f
e428426d8a37061f7e349b35ecf12f6.txt (deflated 44%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Capture1_JPG.rf.db
4bd46e0549ed7f46f0c0b573157143.txt (deflated 21%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6963_jpeg.rf.a
ffa161333eb8211ba85836000234a3e.txt (deflated 60%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6895_jpeg.rf.6
```

```
4dd51c2c6d80cd14f3eaed1788088d9.txt (deflated 64%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334550-svs-
screenshot-1708622641843_png.rf.f29298011a9866cfcd04673a3c75f867.txt (deflated
50%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7853_jpeg.rf.8
e7ecda78ab3c75a011d846e46cbab0e.txt (deflated 72%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6880_jpeg.rf.b
b9faf5334148d8682e0e3e9af9c41b7.txt (deflated 49%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334506-svs-
screenshot-1708477257251_png.rf.1d8a9e675bc3d6e34ef8808e9d90cec7.txt (deflated
35%)
  adding: kaggle/working/data/processed/dataset2/train/labels/119287-svs-
screenshot-1708479605188_png.rf.5b92850adc0726c8a31743da7d66a641.txt (deflated
58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Capture_PNG.rf.19a
517e2a16aea7729518b44faa18b63.txt (deflated 26%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6885_jpeg.rf.d
ca6a500e57608fc5c746c17d44bb651.txt (deflated 41%)
  adding: kaggle/working/data/processed/dataset2/train/labels/334506-svs-
screenshot-1708477188812_png.rf.13d66cc11701450881ffb8bbb05f22bf.txt (deflated
36%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6870_jpeg.rf.3
d25c56cd16ddd6f759edc48d4bfd5d9.txt (deflated 52%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6897_jpeg.rf.a
b60d1eb3ef3035dc724d80b936853a8.txt (deflated 70%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6838_jpeg.rf.8
27dba1221b008ce90be3b710b6609e7.txt (deflated 61%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708477929434_png.rf.e94e6a2727a294877c33f707bc8d9684.txt (deflated
34%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6871_jpeg.rf.7
7f4deb31e4364e7cab710a18b6efddf.txt (deflated 49%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7847_jpeg.rf.5
b9d998ccd55e8067b530dbd08e1eb64.txt (deflated 63%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6870_jpeg.rf.f
8361ecdc467d1df0388ef157fa59d5a.txt (deflated 70%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478874808_png.rf.6644e5eda2c43840d13d7d4313086b26.txt (deflated
31%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478421845_png.rf.87d63b7e96b07c4b6018290899489614.txt (deflated
33%)
  adding: kaggle/working/data/processed/dataset2/train/labels/119287-svs-
screenshot-1708479925658_png.rf.09ec433079b04b3c1549fd7753f14043.txt (deflated
44%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708477964664_png.rf.a47c09081ce10c2093743b6ca7ac4cde.txt (deflated
28%)
```

```
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7845_jpeg.rf.6
f8e61d23f022887e287397e25061a66.txt (deflated 67%)
  adding: kaggle/working/data/processed/dataset2/train/labels/Capture4_JPG.rf.98
110c4523ec2d3abacd57f62f8823aa.txt (deflated 41%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6850_jpeg.rf.5
ff72e8483f459b2af7b8b74d00d1271.txt (deflated 58%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6836_jpeg.rf.c
da50ec3f7779577e2d485a58a57c9a6.txt (deflated 56%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_7868_jpeg.rf.3
dfb7ee3d769e6f665fd08b25868b5fb.txt (deflated 68%)
  adding: kaggle/working/data/processed/dataset2/train/labels/44525-svs-
screenshot-1708478453003_png.rf.5a73ff72eca79d3a9a777dfcd8d4b87b.txt (deflated
33%)
  adding: kaggle/working/data/processed/dataset2/train/labels/IMG_6889_jpeg.rf.2
2457e7bf67142689243dfe06d6cfbf8.txt (deflated 74%)
  adding: kaggle/working/data/processed/dataset2/train/images/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/A-and-B-Papillary-
thyroid-carcinoma-oncocytic-variant-A-The-neoplastic-cells-
show_png.rf.57460f3ce94d2ce14be89a0f0553655f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478421845_png.rf.87d63b7e96b07c4b6018290899489614.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6837_jpeg.rf.4
2b9e19a1a61b45a336ec17e01096462.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7853_jpeg.rf.8
e7ecda78ab3c75a011d846e46cbab0e.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/8ynZlArV8XiN0RnIYT
BLeA_jpg.rf.0f9c774f9c1babc2770abe2d08602817.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334550-svs-
screenshot-1708622641843_png.rf.f29298011a9866cfcd04673a3c75f867.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/maxresdefault_jpg.
rf.3aa57aae3a288895b8f9ec807f8f272a.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7842_jpeg.rf.4
65e0492a1f6cd29dd8450e1becad736.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7864_jpeg.rf.a
e584a5936c04b3f305641e2d33b8369.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/thyroidpapillaryBy
chkov10_jpg.rf.dec6c4ee536cbd05e5b55d9d399ea4f9.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478825384_png.rf.1f4b3e1006de7e85edf09d346dd9e41d.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Thyroid_papillary_
carcinoma_histopathology_-4-_jpg.rf.d0a5d75100b891b49cc63b197dbc8797.jpg
(deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7845_jpeg.rf.6
f8e61d23f022887e287397e25061a66.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/20231129_182205_jp
```

```
eg.rf.e1546407672f06e0c460d9900f98149d.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6875_jpeg.rf.c
f72d4d385cb8e8bb2f17f3d14dfc93f.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7844_jpeg.rf.6
b0ff4428afcd6093f2076c3dd3eae98.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7849_jpeg.rf.b
3c658e6c62b229f7abd2ab276806680.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/Capture4_JPG.rf.98
110c4523ec2d3abacd57f62f8823aa.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/119287-svs-
screenshot-1708479859401_png.rf.5698a0e60b2f595c8fc269472961ccbe.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6870_jpeg.rf.f
8361ecdc467d1df0388ef157fa59d5a.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708477964664_png.rf.a47c09081ce10c2093743b6ca7ac4cde.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478911671_png.rf.2df27e42576cee061ab8de2bc58a871b.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Capture2_JPG.rf.58
9ad982ec05e0d56ad47080d321956b.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6881_jpeg.rf.3
869ac559a67fa41c876942a2af6e663.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708477796786_png.rf.7d95447917322ce0235814511b9499b9.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708479313383_png.rf.560e96657b73cbca106186fd971d1eba.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334550-svs-
screenshot-1708622711258_png.rf.2f3d0da7f05ad60b58177518f3ac66b9.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478074679_png.rf.d288552b4762444f5a27543ff3fd287f.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6835_jpeg.rf.4
f564e0a4939ed782045f623f5627a56.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7852_jpeg.rf.6
bb9507bc42de0731c373a3c6224d45b.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6894_png.rf.6c
afff79508fc0202e57079b6bb7952f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334506-svs-
screenshot-1708477257251_png.rf.1d8a9e675bc3d6e34ef8808e9d90cec7.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478874808_png.rf.6644e5eda2c43840d13d7d4313086b26.jpg (deflated
0%)
```

```
  adding: kaggle/working/data/processed/dataset2/train/images/Medullary_thyroid_
carcinoma_-_high_mag_jpg.rf.4b93c4619530e4c89220e5e6ab9ec5a5.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6836_jpeg.rf.c
da50ec3f7779577e2d485a58a57c9a6.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6838_jpeg.rf.c
2d7035eed8a3372fcc70aa378f17170.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6891_png.rf.da
d99cea495394dd2cf0be716cc9e32f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334506-svs-
screenshot-1708477188812_png.rf.13d66cc11701450881ffb8bbb05f22bf.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334506-svs-
screenshot-1708477099536_png.rf.05fa3a8c376a1e9fcc79bb765d921fa6.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7860_jpeg.rf.b
e29b8ae9b4708c05961a1c6ef8f7641.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6888_jpeg.rf.3
d8448e2e2aa7600526a7b171c5dcdc3.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7854_jpeg.rf.7
f99a6c6c41538f5fd9192012b68c19c.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6889_jpeg.rf.2
2457e7bf67142689243dfe06d6cfbf8.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/119287-svs-
screenshot-1708479605188_png.rf.5b92850adc0726c8a31743da7d66a641.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/8463-svs-
screenshot-1708477627292_png.rf.5a910d4676176970e3482ece659afd2b.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478453003_png.rf.5a73ff72eca79d3a9a777dfcd8d4b87b.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6862_jpeg.rf.e
02e7984922f5c2b85c9807eb6f340ac.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7855_jpeg.rf.b
8777a851bbb13882609c6fd6f86a8ce.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708478392132_png.rf.a0899bdc7a2c86c74e49a33f669b9472.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/41379_2011_Article
_BFmodpathol2010129_Fig4_HTML_jpg.rf.2d48ff937746af8e6e62aa267d5baa26.jpg
(deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7856_jpeg.rf.1
1412b94f9cbea0c4aa29b8fad6709ba.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/119287-svs-
screenshot-1708479623163_png.rf.85dcef8f7f89753fdff248f1c2e12425.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Thyroid_papillary_
carcinoma_histopathology_-3-_jpg.rf.8ccd37fb269623a990753661e4df2ca6.jpg
```

```
(deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7851_jpeg.rf.1
12d4bfb70cf6371d7afe5d090bf85a8.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6893_jpeg.rf.7
1161117c8863ffc514370b35db2189d.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7847_jpeg.rf.5
b9d998ccd55e8067b530dbd08e1eb64.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6897_jpeg.rf.a
b60d1eb3ef3035dc724d80b936853a8.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7868_jpeg.rf.3
dfb7ee3d769e6f665fd08b25868b5fb.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6890_png.rf.0e
258e429654b69cbc00d57c7d60052c.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334506-svs-
screenshot-1708477196154_png.rf.d48df99d4450f3df8d260359a1d50f34.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/20231129_182237_jp
eg.rf.2a7eb0a1f2a4079532789d236ac4017d.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334550-svs-
screenshot-1708622676031_png.rf.54974a674c504268cb4fb8cf18241811.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Capture_PNG.rf.19a
517e2a16aea7729518b44faa18b63.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Capture1_JPG.rf.db
4bd46e0549ed7f46f0c0b573157143.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7866_png.rf.d0
63f14614c94778de396f65a05f90e4.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/thyroidpapillaryBy
chkov16_jpg.rf.02390d1e62db2cb3976bd0d725ecffed.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6904_jpeg.rf.9
9a610014fc4f8a8663ba60b3a829e4a.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7867_jpeg.rf.c
29a3402457e8dc4c83816586481af3b.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7846_png.rf.5c
51ef6ab3045f3f4b91bfaacdec28ab.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6878_jpeg.rf.3
aa41c1c407fd12d33cb9cab9f4cc273.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6963_jpeg.rf.a
ffa161333eb8211ba85836000234a3e.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6895_jpeg.rf.6
4dd51c2c6d80cd14f3eaed1788088d9.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6963_jpeg.rf.5
5e5a0ceedea51a3393ccfbe0ea72588.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Capture8_JPG.rf.1b
ada8b111223916a1421cb446df64dd.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708479223128_png.rf.f7c45066c6b7ae6f5c495142d3dfdb22.jpg (deflated
0%)
```

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  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6874_jpeg.rf.e
87265f54a94b31fd751aba5928ced45.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6850_jpeg.rf.5
ff72e8483f459b2af7b8b74d00d1271.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_7865_jpeg.rf.c
f58951c27916b53f5376f810071ecb9.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/8463-svs-
screenshot-1708477607733_png.rf.358a7726fde95dce897ae30e1e2e9e45.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/20231129_182014_jp
eg.rf.280b1d07042be577a648e4792014c3f6.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/20231129_182356_jp
eg.rf.fc7554b0c11e75725a982f22fc189349.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/1000_F_281980701_N
5dQ1LNCMq4uILRqqVF7G3R8RdkXjDHw_jpg.rf.7abb07cf71079deb461a64bc0e5b5650.jpg
(deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/334506-svs-
screenshot-1708477148817_png.rf.e48172161c89a51a4d0bc9296992333f.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/44525-svs-
screenshot-1708477929434_png.rf.e94e6a2727a294877c33f707bc8d9684.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6880_jpeg.rf.b
b9faf5334148d8682e0e3e9af9c41b7.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/19-Figure2-1_png.r
f.266fe69d91ec0588bd846f10f36abdd4.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6903_jpeg.rf.f
e428426d8a37061f7e349b35ecf12f6.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/Papillary-
adenocarcinoma-with-optically-clear-nuclei-Orphan-Annie-
nuclei-A-125-1-_png.rf.ed514a8ab46c0a7b0c57269932055dee.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6871_jpeg.rf.7
7f4deb31e4364e7cab710a18b6efddf.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6843_jpeg.rf.0
a12fbf9e324b08db078eb10c06e456c.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/Capture_JPG.rf.797
00dada346660ff5b0e221f28e444b.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6838_jpeg.rf.8
27dba1221b008ce90be3b710b6609e7.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/train/images/Dy5RfveV4AMm_aW_jp
g.rf.e25997eab83b97a8f8867ff37d2f19e1.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/119287-svs-
screenshot-1708479925658_png.rf.09ec433079b04b3c1549fd7753f14043.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6870_jpeg.rf.3
d25c56cd16ddd6f759edc48d4bfd5d9.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/train/images/119287-svs-
screenshot-1708480053459_png.rf.950cff45cabd0a2f0655e5813d060301.jpg (deflated
```

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0%)
  adding: kaggle/working/data/processed/dataset2/train/images/IMG_6885_jpeg.rf.d
ca6a500e57608fc5c746c17d44bb651.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/valid/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/thyroidfollicularv
ariantBychkov2-1-_jpg.rf.ca7d05a3fa15d389d4d8b7e2d2cb83f7.txt (deflated 55%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/44525-svs-
screenshot-1708478141981_png.rf.f92aa7609da4c1166c7c64fc7e58519a.txt (deflated
47%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6878_jpeg.rf.5
2e5ac16017525aeb94eab9d79e81a25.txt (deflated 39%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/334506-svs-
screenshot-1708477139113_png.rf.5925eaf882331cdb37e6eab487d31b5a.txt (deflated
33%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/334506-svs-
screenshot-1708477180163_png.rf.d2378182353a6aee2e94465b7d788b52.txt (deflated
54%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/Capture7_JPG.rf.a2
44bfa095b8578c271ddc5f54cc30e3.txt (deflated 46%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6840_jpeg.rf.5
ee989567fb897d81e0e2e5b0b33b69d.txt (deflated 56%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6837_jpeg.rf.b
64a6f4b0bb9547b73313539210790e6.txt (deflated 60%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_7011_jpeg.rf.f
317a49f1dd093a41ab04a4664b37b52.txt (deflated 57%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/44525-svs-
screenshot-1708478406705_png.rf.7ccaf935763a9c143a42f3b4fec87385.txt (deflated
69%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_7861_png.rf.08
e0101f7f71176476118828f252663e.txt (deflated 75%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6905_jpeg.rf.0
f0e61d2b13c0ef25668314f89e5818f.txt (deflated 39%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/20231129_180103_jp
eg.rf.9be08d6188e435d8e8461c3ad1802a17.txt (deflated 63%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6864_jpeg.rf.d
eddcb41bce2a638924178db30c4d579.txt (deflated 54%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6964_jpeg.rf.2
047b880fe676026931722c726eee44b.txt (deflated 29%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/DNZB2w8UMAI8buH_jp
g.rf.2481a62e0792dc30d2317d244b315864.txt (deflated 64%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/44525-svs-
screenshot-1708478947547_png.rf.1ab9bb44e6eaabf87147e0699b058543.txt (deflated
31%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/44525-svs-
screenshot-1708478259226_png.rf.0ad62d2e916f1f7c3a6993e8a9ab753a.txt (deflated
28%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/20231129_182514_jp
```

```
eg.rf.3bdfe8195b1518111afa3955c227cd75.txt (deflated 67%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6881_jpeg.rf.9
d09b65b7af852b7f76bafa93c6d7e7c.txt (deflated 65%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/Capture6_JPG.rf.c3
1404ffdbb4ece0178a2452e26eddd5.txt (deflated 45%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/Capture3_JPG.rf.cb
62d44e459d71ba8568cf7509288bd8.txt (deflated 29%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6864_jpeg.rf.2
c0dc6b4196c755c671e4a9b1439bf51.txt (deflated 47%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6892_jpeg.rf.1
90504bedfba47f271efd1222ed5d7cd.txt (deflated 59%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/thyroidmicrocarcin
omavariantDemko14_jpeg.rf.7b219b3ba79f2853520fd7a0eed94ee8.txt (deflated 62%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6884_jpeg.rf.c
529010bec6ec8a4f9c3babfc94e43d7.txt (deflated 57%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/IMG_6914_png.rf.57
32f81722cecaa2071e23e3ea8b14b4.txt (deflated 49%)
  adding: kaggle/working/data/processed/dataset2/valid/labels/File_018_png.rf.c6
9f589d5a20c62133431771a2059386.txt (deflated 76%)
  adding: kaggle/working/data/processed/dataset2/valid/images/ (stored 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/44525-svs-
screenshot-1708478141981_png.rf.f92aa7609da4c1166c7c64fc7e58519a.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6884_jpeg.rf.c
529010bec6ec8a4f9c3babfc94e43d7.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/thyroidmicrocarcin
omavariantDemko14_jpeg.rf.7b219b3ba79f2853520fd7a0eed94ee8.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/334506-svs-
screenshot-1708477180163_png.rf.d2378182353a6aee2e94465b7d788b52.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_7011_jpeg.rf.f
317a49f1dd093a41ab04a4664b37b52.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/20231129_182514_jp
eg.rf.3bdfe8195b1518111afa3955c227cd75.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/DNZB2w8UMAI8buH_jp
g.rf.2481a62e0792dc30d2317d244b315864.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/44525-svs-
screenshot-1708478947547_png.rf.1ab9bb44e6eaabf87147e0699b058543.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6905_jpeg.rf.0
f0e61d2b13c0ef25668314f89e5818f.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_7861_png.rf.08
e0101f7f711764761188828f252663e.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6892_jpeg.rf.1
90504bedfba47f271efd1222ed5d7cd.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6837_jpeg.rf.b
64a6f4b0bb9547b73313539210790e6.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6881_jpeg.rf.9
```

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d09b65b7af852b7f76bafa93c6d7e7c.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/Capture3_JPG.rf.cb
62d44e459d71ba8568cf7509288bd8.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/File_018_png.rf.c6
9f589d5a20c62133431771a2059386.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/Capture6_JPG.rf.c3
1404ffdbb4ece0178a2452e26eddd5.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/Capture7_JPG.rf.a2
44bfa095b8578c271ddc5f54cc30e3.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/20231129_180103_jp
eg.rf.9be08d6188e435d8e8461c3ad1802a17.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/thyroidfollicularv
ariantBychkov2-1-_jpg.rf.ca7d05a3fa15d389d4d8b7e2d2cb83f7.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6878_jpeg.rf.5
2e5ac16017525aeb94eab9d79e81a25.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6864_jpeg.rf.2
c0dc6b4196c755c671e4a9b1439bf51.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6964_jpeg.rf.2
047b880fe676026931722c726eee44b.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6864_jpeg.rf.d
eddcb41bce2a638924178db30c4d579.jpg (deflated 1%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6914_png.rf.57
32f81722cecaa2071e23e3ea8b14b4.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/IMG_6840_jpeg.rf.5
ee989567fb897d81e0e2e5b0b33b69d.jpg (deflated 0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/334506-svs-
screenshot-1708477139113_png.rf.5925eaf882331cdb37e6eab487d31b5a.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/44525-svs-
screenshot-1708478406705_png.rf.7ccaf935763a9c143a42f3b4fec87385.jpg (deflated
0%)
  adding: kaggle/working/data/processed/dataset2/valid/images/44525-svs-
screenshot-1708478259226_png.rf.0ad62d2e916f1f7c3a6993e8a9ab753a.jpg (deflated
0%)
```

[13]: /kaggle/working/processed_dataset2.zip