py_wsi_fork

dataset.py

- ▼ DataSet.class
 - 属性: images,image_cls,labels,num_images,set_id,epochs_completed
 - ②方法: setter...,shuffle_all,next_batch
- shuffle_mutiple(list_of_lists)
- 2 fetch_dataset(turtle,set_id,total_sets,augment)
- read_datasets(turtle,set_id=-1,valid_id=-1,total_sets=5,shuffle_all=true,augment = True,is_Test=False)
- augment_patches(patches,augment_id)

helper.py

- 2 start_timer()
- 2 end_timer(start_time)

▼ imagepy_toolkit.py

- def show_images(images, per_row, per_column):
- def show_labeled_patches(images, clss):
- def show_images_and_gt(images, coords, pixel_classes, seg_maps):
- def show_patch_and_gt(images, seg_maps, pixel_classes, per_row, per_column):

▼ item.py

- ▼ Item.class
 - 方法: def get_label_array(self, num_classes);
 - def get_patch(self):
 def get_patch_as_image(self):
 - 字段: channels,coords,data,label,size
- ▼ SegItem.class
 - 方法: get_seg_map;get_seg_map_as_image;
 - 字段: seg_map,....(Item.class)

patch_reader.py

- 2 def check_label_exists(label, label_map):
- 2 def generate_segmentation_patch(seg_map_full, point, patch_size):

- Odef generate_label(regions, region_labels, point, label_map):
- 2 def transform_regions(regions, image_size, total_image_size):
- 2 def gen_full_segmentation_map(level_dims, regions, region_labels, label_map):
- @ 2 def get_regions(path):
- 2 def patch_to_tile_size(patch_size, overlap):
- def tile_to_patch_size(tile_size, overlap):
- def sample_and_store_patches

store.py

- 2 def save_in_lmdb(env, patches, coords, file_name, labels=[], seg_maps=[]):
- 2 def save_meta_in_lmdb(meta_env, file, tile_dims):
- 2 def get_patch_from_lmdb(txn, x, y, file_name):
- 2 def get_meta_from_lmdb(meta_env, file):
- 2 def new_lmdb(location, name, map_size_bytes):
- def print_lmdb_keys(env):
- 2 def read_lmdb(location, name):
- 2 def save_to_hdf5(db_location, patches, coords, file_name, labels):
- 2 def save_to_disk(db_location, patches, coords, file_name, labels, seg_maps):

turtle.py(Turtle.class)

- ▼ 方法
 - def __init__(self,
 - def retrieve_tile_dimensions(self, file_name, patch_size=0, overlap=0, tile_size=0):
 - def retrieve_sample_patch(self, file_name, patch_size, level, overlap=0):
 - def get_set_patches(self, set_id, total_sets, select=[]):
 - def get_patches_from_file(self, file_name, verbose=False):
 - def sample_and_store_patches(self,
 - def set_label_map(self, label_map):
 - def set_file_dir(self, file_dir):
 - def set_xml_dir(self, xml_dir):
 - def get_xml_files(self):

- def set_db_location(self, db_location):
- def set_db_name(self, db_name):
- def __get_files_from_dir(self, file_dir, file_type='.svs'):
- def __get_db_meta_name(self, db_name):
- def __check_file_found(self, file_name):
- def __get_patches_from_hdf5(self, file_name, verbose=False):
- def __sample_store_hdf5(self, patch_size, level, overlap, xml_dir, limit_bounds, rows_per_txn):
- def __get_patches_from_disk(self, wsi_name, verbose=False):
- def __sample_store_disk(self, patch_size, level, overlap, xml_dir,
- def __get_items_from_file(self, file_name):
- def __items_to_patches_and_meta(self, items):
- def __calculate_map_size(self, patch_size, level, overlap, limit_bounds,
- def __sample_store_lmdb(self, patch_size, level, overlap, xml_dir,

▼ 字段

- db_location
- db_meta_name
- db_name
- **file_dir**
- files
- label_map
- num_files
- storage_type
- xml_dir