unittest.test_image

- +im: array + test: Image()
- + test_debug(None): None
- + test_find_intersection(None): None
- + test_finding_left_most_pt(None): None
- +test get ROI(None): None

Image

- DEBUG: boolean
- im: array
- + debug(None): None
- + get ROI(array, integer): array, array
- + extract_digits(array): list
- + pad_image(array): padded array
- + filter_heights(array): array
- + filter_wdth(array): array
- +filter_dominant_color(array, array): array
- +find_dominant_color(array): array
- +find_dominant_color_ls(list): array
- + crop_img(array, array): array
- +f ilter areas(array): arrays
- + give_five_num_summary(list): list
- + sort bboxes(array, array): array
- + remove_outliers(list, array): array
- + find IQR(list): float
- + find_area(array): float
- + non max suppression(array): array
- + make_new_region(array, array): array
- + show_debug_boxes(array, array, string): None
- + resize_image(array, integer, integer): array
- + group_clusters(array): clusters
- + find_clusters(array, float, float): array
- + filter_bounding_boxes (array, float, float): array
- + find_leftmost_pt(array, boolean): array
- + find_intersection(array, array, boolean): tuple
- + draw_boxes(array, array, tuple): None
- validate_image(array): araray

unittest.test_Trainer

- +train_path: string +val_path: string
- + test_trainer(None): None +test_classifier(None): None

Trainer

- mode: string
- train path: string
- val_path : string - trainner : kNN object
- + train(None): kNN object
- +classify(array, integer): array, array
- + add_noise(array): array

Main

unittest.test_ImageLoader

- + rel_path : string +test : Image_loader
- +test_len(None): None
- +test_setters(None): None
- + test_display_images(None): None
- +test_create_labels(None):

ImageLoader

- path: string
- mode: string
- data : list of string
- image_indx : integer
- + load(string): list of strings
- + load_dir(string): list of strings
- + load_image(string): array
- + create_labels(None): list of strings
- + __iter__(None): self
- + __len__(None): length of self
- + __next__(None): array
- validate_path(string): string
- validate mode(string): string