list of tables

Published in: Stefanie Schneider, Art and the Artificial Eye: Algorithmic Views of the Human Posture, Heidelberg: arthistoricum.net, 2025.
https://doi.org/10.11588/arthistoricum.1566

Computer Vision – ECCV 2016 Workshops. Vol. 9913. Lecture Notes in Computer Science. Cham: Springer, 825–841. Online: <https://doi.org/10.1007/978-3-319-46604-0_57>) and PoPArt test sets, respectively, using PoPArt and People-Art for training and validation. In contrast to previous benchmarks, difficult-to-annotate figures are included. The optimal approach is denoted in bold.

TAB. 8 Data sets used in the HPE experiments with bounding box and keypoint annotations. Following the Microsoft COCO format, up to 17 keypoints are stored per figure.

TAB. 9 Figure detection results for the People-Art (Nicholas Westlake et al. [2016]. "Detecting People in Artwork with CNNs." In: *Computer Vision – ECCV 2016 Workshops*. Vol. 9913. Lecture Notes in Computer Science. Cham: Springer, 825–841. Online: <https://doi.org/10.1007/978-3-319-46604-0_57>) and PoPArt test sets, respectively, using the specified data sets for training. 'ST' indicates the inclusion of style-transferred material in the model. The optimal approach per training set is denoted in bold.

TAB. 10 Keypoint detection results for the PoPArt test set, based on the model's bounding boxes using the same strategy. AP for small figures, AP_S, has been omitted due to the lack of available test data. When training with PoPArt, the first entry corresponds to the data set used for bounding box detection; the second entry, to that used for keypoint detection. 'ST' indicates the inclusion of style-transferred material in the model. The optimal approach per training set is denoted in bold.

TAB. 11 Iconclass notations relevant to the classification of gesture and posture. The notations `31A23` and `31A27` represent the whole body, `31A25` the upper body, and `31A26` the lower body. Inapplicable notations are highlighted in *gray*.

TAB. 12 Results of the retrieval experiment for the ART500K test set with NDCG as the ranking metric. When training with PoPArt, the first entry corresponds to the data set used for bounding box detection; the second entry, to that used for keypoint detection. 'ST' indicates the inclusion of style-transferred material in the model. The optimal approach per training set is denoted in bold.

TAB. 13 Figure annotations for the People-Art data set by depiction style and split, following the COCO evaluation metric specifications: extra small (*XS*, pixel areas between 0 and 16^2), small (*S*, pixel areas between

16^2 and 32^2), medium (*M*, pixel areas between 32^2 and 96^2), large (*L*, pixel areas between 96^2 and 288^2), and extra large (*XL*, pixel areas greater than 288^2). Difficult-to-annotate persons are included.

TAB. 14 Figure annotations for the PoPArt data set by depiction style and split, following the COCO evaluation metric specifications: extra small (*XS*, pixel areas between 0 and 16^2), small (*S*, pixel areas between 16^2 and 32^2), medium (*M*, pixel areas between 32^2 and 96^2), large (*L*, pixel areas between 96^2 and 288^2), and extra large (*XL*, pixel areas greater than 288^2). Difficult-to-annotate persons are not made explicit.

TAB. 15 Figure detection results for the PoPArt test set, categorized by depiction style and training set(s), using the DETR model (Nicolas Carion et al. [2020]. "End-to-end Object Detection with Transformers." In: *Computer Vision – ECCV 2020*. Vol. 12346. Lecture Notes in Computer Science. Cham: Springer, 213–229. Online: <https://doi.org/10.1007/978-3-030-58452-8_13>). Difficult-to-annotate figures are included.

TAB. 16 Figure keypoints for the PoPArt data set by depiction style and split, with values denoted as percentages relative to each group, i.e., the split of the depiction style.

TAB. 17 Iconclass notations relevant to the classification of gesture and posture. The notations `31A23` and `31A27` represent the whole body, `31A25` the upper body, and `31A26` the lower body. Inapplicable notations are highlighted in *gray*.