

Response to Reviewer 3 Comments

Point 1: Authors mentioned that the images are also collected from internet. Did the Authors cite the weblink of the source images? If no, I suggest to put it in the References with information when it was accessed.

Response 1: We have added the link in the reference.

Point 2: What are the x- and y-axis in Figure 2(b) and (d)? please also provide a unit.

Response 2: In Figure 2 (b) and (d), x-axis means the RGB and grayscale levels, which is [0, 225]. R, G, and B values are all in [0, 225]. y-axis means the numbers of pixels at each RGB or grayscale level. So there is no unit in Figure 2(b) and (d). We have added the explanation in the revised manuscript.

Point 3: Please also provide a legend of Figure 2(b). What the red, green and blue line refer to?

Response 3: We have updated the legend Figure 2(b) and (d). The red, green and blue line refer to the numbers of the pixels at R, G, and B levels in an image.

Point 4: A bit difficult to understand Table 2. The subsample: 0.6 and objective multi: softprob are belong to which method? it is KNN or XGBoost?

Response 4: We have updated the Table 2 to avoid the misunderstanding.

Point 5: Poor resolution in Figure 6. Please reproduce Figure 6 with better resolution.

Response 5: Revised as the suggestion, and we have updated Figure 6.

Point 6: Similar to comment No.4. Please reproduce Figure 8.

Response 6: Revised as the suggestion, and we have updated Figure 8.