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Human Attribute Recognition by Refining Attention Heat Map

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Research Highlights (Required)

- The concentration of attention heat map reflects the generalization ability of the classifier for attribute recognition.
- Fine-tuning the classifier to refine the attention heat map can lead to better human attribute recognition.
- CAM network can be adapted and improved, by including a new component, for refining the attention heat map.
- Exponential loss function is a reasonable choice for measuring the appropriateness of attention heat map.
- The attention heat map refinement need to consider both the classification loss and the exponential loss functions.

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