

Initialization



Users :



Weights :



Labels : y_{img}

Labels update and validation

For all \in

- $\hat{y}_{\text{img}} \leftarrow \hat{y}_{\text{img}}^{\text{WMV}}$ (Label update)
- $\text{conf}_{\text{img}}(\cdot) \leftarrow \sum_{\text{img} \in \text{img}} \text{kg}_{\text{img}} \mathbb{1}_{\{y_{\text{img}} = \cdot\}}$ (Confidence update)
- $\text{acc}_{\text{img}}(\hat{y}_{\text{img}}) \leftarrow \text{conf}_{\text{img}}(\hat{y}_{\text{img}}) / \sum_{\text{img} \in \{\text{img}\}} \text{conf}_{\text{img}}(\text{img})$ (Accuracy update)
- is valid if $\begin{cases} \text{conf}_{\text{img}}(\hat{y}_{\text{img}}) > \theta_{\text{conf}} \\ \text{acc}_{\text{img}}(\hat{y}_{\text{img}}) > \theta_{\text{acc}} \end{cases}$ (Validation)