Hello,

This folder contains all the experimental data included in "Figure 6" of the paper. Each code file has specific instructions within the file. Here, I'll explain the sequence of code file execution for the experiments in "Figure 6".

First, execute the "ResNet image predict.py" file to predict the category of the input image X. (The experimental image in Figure 6 is selected from the experimental imageset and is labeled as "52.png")

Second, execute the "Calculate the pixel weight matrix of a single image ResNet.py" file to calculate the pixel weight matrix of the input image in ResNet belonging to the specified category.

Third, execute the "Calculate the bias value of a single image ResNet.py" file to calculate the bias value of the input image in ResNet belonging to the specified category.

Fourth, as the image is selected from the experimental image set of "Table 2", you can validate the calculated pixel weight matrix and bias value. Please execute "Verify the accuracy of classification values.py" to validate.

Fifth, execute the "Plot the distribution map and saliency map.py" file to plot the saliency map.

Sixth, execute the "Generate evaluation images.py" file to generate evaluation images (C1~C8) for the "guid-Xmage" method.

Seventh, execute the "Plot the difference map between two images.py" file to plot the "difference map" between two images.

Eighth, experimental images for the CAM series methods can be obtained from the experimental data of "Table 2".