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First, I did some research on previous models such as VGG16, VGG 19, Inception, Xception. Finally, we choose VGG16 and Xception because its simplicity and efficiency. Since I encountered problems with temsorflow-gpu, I can't run the model efficiently in my computer. So, we helped Minzhe to train our model on his computer. We helped Minzhe with fine-tuning the pretrained models in keras such as learning rate, Dropout, Dense, change Adam to Sgd, etc. Also, I'm in charge of the model visualization. After training, I generate plots from matplotlib.pyplot and visualize values like train loss, train accuracy, validation loss, validation accuracy, etc. Also, I did the part of visualizing the test performance of VGG and Xception. Besides, I participate in collecting the experimental data, take actions to avoid model overfitting, such as adjusting the parameters of ImageDataGenerator, drawing experimental conclusions, and writing the final report.